

ALPHABETICAL INDEX

TO

NORTH AMERICAN ORTHOPTERA

DESCRIBED IN THE EIGHTEENTH AND
NINETEENTH CENTURIES.

BY

SAMUEL H. SCUDDER,

PUBLICATION AIDED BY GRANTS TO THE COMPILER FROM THE

ELIZABETH THOMPSON SCIENCE FUND.

BOSTON:

BOSTON SOCIETY OF NATURAL HISTORY.

1901.

PREFACE.

The following list contains all known definite references to the Orthoptera of North America and the West Indies made by naturalists from the time of Linné to the close of the last century. It should however be remarked that while references to Panama are of course included, those to Colombia (or New Grenada) without further specification are omitted, although perhaps it would have been better to include such general references, as possibly concerning the isthmus.

It is in no sense a synonymic list but a simple index to the names as they are in each instance employed. It has been forty years in the making. The older part of it was published in 1868 by the Smithsonian Institution,* but that portion is included in the present work with omission of certain references which should not have been introduced, and with an abbreviation of the geographical references to avoid the detail there employed which, if continued, would have unduly expanded the volume.

The entries under each heading are chronological, and cross references are used where especially desirable. The arrangement being alphabetical, first by genera and afterwards by species, a mere reference list of specific names in place of an index is added at the end. This will help the student in following the vicissitudes of any given specific name.

As in the previous Catalogue, "the list furnishes an index to

* Catalogue of the Orthoptera of North America described previous to 1867. Smithsonian miscellaneous collections, 189.

the exact names given to the insects in the original descriptions; if an author has described the same species, at different times, under different generic or specific names, although confessedly synonymous, they will not be found together, but distributed through the book in alphabetical order"; and it by no means follows (though it is generally true) that all the references under the same name refer to the same insect. Where an inaccurate or unaccepted spelling has been employed, the name is corrected and the original form indicated in brackets; but if the change is in an initial letter (cf. *Apithes* and *Hapithus*), both forms are entered as they are employed by the authors and cross references are added. Where both generic and sub-generic terms are used these are both given, but separate from the employ of the same combination of generic and specific name without the subgenus, while cross references again prevent the alternate use from being overlooked.

As formerly, pains have been taken to include in the list all references to such general localities (especially by old authors) as "America" or "the Indies," even when it was very questionable whether *North America* or the *West Indies* was intended; on the other hand those cases are excluded (when foreign authors are concerned) where no explicit reference to my field is made, even though the name itself suggests the locality, as, e. g., Stoll's *Locusta carolina*.

The list of "Literature cited" is practically a complete bibliography of North American orthopterology, but with one or two specified exceptions it contains no references to papers in which the insects are not mentioned by specific names.

In the preparation of this Index I have received material assistance from Mr. Samuel Henshaw and Miss Harriet Biddle; and in defraying the cost of copying for the press and the manufacture of the electrotypes plates I have been greatly aided by grants from the ELIZABETH THOMPSON SCIENCE FUND. These plates are now transferred to the Boston Society of Natural History for publication.

Cambridge, April 13, 1901.

TABLE OF CONTENTS.

ALPHABETICAL INDEX TO NORTH AMERICAN ORTHOPTERA	1
LITERATURE CITED	349
INDEX TO SPECIFIC NAMES	401

ALPHABETICAL INDEX
TO
NORTH AMERICAN ORTHOPTERA

Acanthacara

acuta GLOV., Ill. N. A. ent., Orth., pl. 16, fig. 17 (1874), *Fla.*

Acanthoderus

cornutus BURM., Handb. ent., ii, 569 (1838), *St. Thom.* — GUER., *Sagra*, Hist. nat. Cuba, 351 (1857), *Cuba*, *St. Thom.*, *Martinique*. — WESTW., Cat. Orth., Phasm., 56 (1859), *St. Thom.* — GUNDEL., Ent. cub., ii, 335 (1896), *Cuba*.

See also *Phasma* (*Acanthoderus*) *cornutum*.

mexicanus SAUSS., Rev. mag. zool., 1859, 62 (1859), *Mex.*; Orth. nov. amer., i, 4 (1859), *Id.*

Acanthoderus (Xylodus)

adumbratus SAUSS., Rev. mag. zool., 1859, 62 (1859), *Porto Rico*; Orth. nov. amer., i, 4 (1859), *Id.*

Acanthodiphrus

conspersus WALK., Cat. Derm. salt. Brit. mus., Suppl., v, 48 (1871), *Nicar.*

Acanthodis

azteca SAUSS., Rev. mag. zool., 1859, 206 (1859), *Mex.*; Orth. nov. amer. 10 (1859), *Id.*

coriacea. *See* *Locusta* (*Acanthodis*) *coriacea*.

crisulata SAUSS.-PICT., Biol. centr. amer., Orth., 407, pl. 20, figs. 2, 3

(1898), *Nicar., Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

humilis BRUNN., Monogr. Pseudoph., 111 (1895), *Costa Rica.* — SAUSS.-PICT., Biol. centr. amer., Orth., 407 (1898), *Id.*

macrocera FITCH, Trans. N. Y. agric. soc., xvi, 506 (1856), *Mex.*; Rep. nox. ins. N. Y., iii, 171 (1859), *Id.*

mexicana SAUSS., Rev. mag. zool., 1859, 206 (1859), *Mex.*; Orth. nov. amer., i, 9 (1859), *Id.*

musarum. See *Locusta* (*Acanthodis*) *musarum*.

perspicillata. See *Locusta* (*Acanthodis*) *perspicillata*.

repanda BRUNN., Monogr. Pseudoph., 113 (1895) *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 408 (1898), *Id.*

scabricollis. See *Locusta* (*Acanthodis*) *scabricollis*.

specularis SERV., Ann. sc. nat., xxii, 151 (1831), *Amér.*

tolteca SAUSS., Rev. mag. zool., 1859, 206 (1859), *Mex.*; Orth. nov. amer., i, 10 (1859), *Id.*

unispinosa BRUNN., Monogr. Pseudoph., 111-112 (1895), *Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 407 (1898), *Id.*

variegata BRUNN., Monogr. Pseudoph., 112 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 407 (1898), *Id.*

Acanthodis (Calamoptera)

irhoffiana SAUSS., Rev. mag. zool., 1861, 130 (1861), *Mex.*; Orth. nov. amer., ii, 5 (1861), *Id.*

Acanthoprion

aztecum PICT.-SAUSS., Saqt. vertes, 26, pl. 3, fig. 21 (1892), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 404 (1898).

Acanthops

aztecus SAUSS., Rev. mag. zool., 1859, 60 (1859), *Mex.*; Orth. nov. amer., i, 2 (1859), *Id.*

caelebs STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 91 (1877), *Mex.*

godmani SAUSS.-ZEHNEN, Biol. centr. amer., Orth., 181-182, pl. 6, fig. 3 (1894), *Brit. Hond.*

mexicanus SAUSS., Rev. mag. zool., 1859, 60 (1859), *Mex.*; Orth. nov. amer., i, 2 (1859), *Id.*

Acentetus

carinatus SCUDD., Proc. amer. acad. arts sc., xxxv, 45 (1899), *Col.*; Cat. Orth. U. S., 22 (1900), *Id.*

unicolor MCNEILL, [Akent-] Proc. Dav. acad. nat. sc., vi, 225-226, pl. 3, figs. 12, 12ab (1897), *Col.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 44-45 (1899), *Kans.*; Cat. Orth. U. S., 22 (1900), *Col.*

Acheta

abbreviata HARR., *Ins. inj. veg.*, 1 ed., 122 (1841, 1842), *Mass.* — FITCH, *Amer. Journ. agric. sc.*, vi, 146 (1847), *N. Y.* — HARR., *ins. inj. veg.*, 2 ed., 133 (1852), *Mass.* — EMM., *Agric. N. Y.*, v, 143 (1854), *N. Y.* — HARR., *Ins. inj. veg.*, 3 ed., 152, fig. 69 (1862), *Mass.* — RATHV., *Rép. U. S. dep. agric.*, 1862, 380, pl., fig. 15 (1862). — THOM., *Trans. Ill. st. agric. soc.*, v, 442 (1865), *Ill.* — WALSH, *Pract. ent.*, i, 126 (1866), *Id.* — WALSH-RILEY, *Amer. ent.*, i, 53 (1868), *Ill., Mo., Iowa, Ky.* — PIERS, *Proc. trans. Nov. Sc. inst. sc.*, viii, 410 (1895), *Nova Scotia*.

arachnoides DUNC., *Intr. ent.*, 248, pl. 6, fig. 1 (1840), *Jam.*

assimilis FABR., *Syst. ent.*, 280 (1775), *Jam.*; *Spec. ins.*, i, 354 (1781), *Amer. merid. ins.*; *Ent. syst.*, ii, 29 (1793), *Jam.*; *Nom. ent. emend.*, 80 (1797, 1810), *Id.* — BILLB., *Enum. ins.*, 65 (1820), *Ind. occ.*

See also Gryllus (Acheta) assimilis.

bipunctata HARR., *Hitchc., Rep. geol. Mass.*, 2 ed., 576 (1835), *Mass.*; *Cat. ins. Mass.*, 56 (1835), *Id.*

See also Gryllus (Acheta) bipunctatus

crucis FABR., *Mant. ins.*, i, 232 (1787), *Ins. St. Crucis*; *Ent. syst.*, ii, 32 (1793), *Id.*; *Nom. ent. emend.*, 80 (1797, 1810), *Ind.*

See also Gryllus (Acheta) crucis.

cylindrica HARR., *Hitchc., Rep. geol. Mass.*, 2 ed., 576 (1835), *Mass.*; *Cat. ins. Mass.*, 56 (1835), *Id.*

domestica JÆG., *N. A. ins.*, 1 ed., 161 (1854); 2 ed., 115 (1859), *N. A.* — THOM., *Trans. Ill. st. agric. soc.*, v, 443 (1865), *Ill.*

See also Gryllus (Acheta) domesticus.

exigua SAY, *Journ. acad. nat. sc. Philad.*, iv, 309 (1825), *Mb.*; *Oeuvr. ent.*, 312 (1837), *Id.*; *Ent. N. A.*, ed. LeC., ii, 238 (1859), *Id.*

fasciata. *See* Gryllus (Acheta) fasciatus.

flavipes FABR., *Ent. syst.*, ii, 30 (1793), *Ins. St. Thom.*; *Nom. ent. emend.*, 80 (1797, 1810), *Id.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 516 (1874), *Id.*

See also Gryllus (Acheta) flavipes.

fuliginosa. *See* Gryllus (Acheta) fuliginosus.

gigas ROEM., *Gen. ins.*, 53, pl. 8, fig. 8 (1789), *Amer.*

See also Gryllus (Acheta) gigas.

gryllodes. *See* Gryllus (Acheta) gryllodes.

gryllotalpa FABR., *Syst. ent.*, 279 (1775), *Eur., Amer. bor.*; *Spec. ins.*, i, 353 (1781), *Id.*; *Nom. ent. emend.*, 80 (1797, 1810), *Id.* — JÆG., *N. A. ins.*, 2 ed., 117 (1859), *N. A.*

See also Gryllus (Acheta) gryllotalpa.

guadeloupensis FABR., *Ent. syst.*, ii, 32 (1793), *Guadeloupe*.

See also Gryllus (Acheta) guadeloupensis.

hospes FABR., *Syst. ent.*, 281 (1775), *Amer.*; *Spec. ins.*, i, 355 (1781), *Id.*; *Ent. syst.*, ii, 32 (1793), *Id.*; *Nom. ent. emend.*, 80 (1797, 1810), *Id.*

See also Gryllus (Acheta) hospes.

luctuosa GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 11 (1872).

marginata THOM., Trans. Ill. st. agric. soc., v, 444 (1865), *Ill.*

membranacea WESTW., Drury, Ill. ex. ent., ii, 91, pl. 43, fig. 2 (1837-1842), *Hond.*

See also Gryllus (Acheta) membranaceus.

minuta FABR., Syst. ent., 282 (1775), *Amer.*; Ent. syst., ii, 33 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

See also Gryllus (Acheta) minutus.

monstrosa. *See Gryllus (Acheta) monstrosus.*

nigra HARR., Ins. inj. veg., 1 ed., 123 (1841, 1842), *Mass.*—FITCH, Amer. jour. agric. sc., vi, 146 (1847), *N. Y.*—HARR., Ins. inj. veg., 2 ed., 134 (1852), *Mass.*—JAEGER, N. A. ins., 1 ed., 160 (1854); 2 ed., 113 (1859), *N. A.*—HARR., Ins. inj. veg., 3 ed., 152 (1862), *Mass.*—THOM., Trans. Ill. st. agric. soc., v, 443 (1865), *Ill.*—LORD, Nat. Vanc., i, 248, 265-266 (1866), *Or., Cal.*

nivea HARR., Hitchc., Rep. geol. Mass., 1 ed., 582 (1833), *Mass.*—JAEGER, N. A. ins., 1 ed., 159, pl. 5, fig. 26 (1854); 2 ed., 113, fig. 25 (1859), *N. A.*

See also Gryllus (Acheta) niveus.

pennsylvanica UHL., Harr., Ins. inj. veg., 3 ed., 152 (1862), *Mass.*

punctulata. *See Gryllus (Acheta) punctulatus.*

servilis HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

tessellata. *See Gryllus (Acheta) tessellatus.*

tripunctata HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

vastatrix AFZEL., Achet. guin., 15 (1804), *Hond.*

vittata HARR., Ins. inj. veg., 1 ed., 123 (1841, 1842), *Mass.*—FITCH, Amer. jour. agric. sc., vi, 146 (1847), *N. Y.*—HARR., Ins. inj. veg., 2 ed., 134 (1852), *Mass.*—JAEGER, N. A. ins., 1 ed., 160 (1854); 2 ed., 113 (1859), *N. A.*—RATHV., Rep. U. S. dep. agric., 1862, 380, pl., fig. 16 (1862).—HARR., Ins. inj. veg., 3 ed., 153, fig. 70 (1862), *Mass.*

vorax. *See Gryllus (Acheta) vorax.*

Acheta (Gryllotalpa)

brevipennis JAEGER, N. A. ins., 1 ed., 164 (1854), *N. A.*

Acheta (Oecanthus)

nivea HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

Achroblatta

luteola SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 100, pl. 6, fig. 12 (1893), *Nicar., Pan., Colombia, Bolivia.*—SAUSS., Soc. ent., viii, 67 (1893), *Amer. trop.*

Achurum

acridodes STÅL, Rec. Orth., i, 101 (1873), *Mex.*—THOM., Rep. U. S. geol. surv. w. 100 mer., v, 865 (1875), *West. U. S.*—MCNEILL, Proc. Dav. acad. nat. sc., vi, 202-203 (1897), *Mex.*

brevipenne SCUDD., Proc. Bost. soc. nat. hist., xix, 88 (1877), *Fla.*; Ent. notes, vi, 29 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*—COMST., Intr. ent., 101-102 (1888).

sumichrasti WALK., Cat. Dermal salt. Brit. mus., iii, 518 (1870), *Mex.*—MCNEILL, Proc. Dav. acad. nat. sc., vi, 202, pl. 1, figs. 2, 2a-c (1897), *Mex., Ariz.*—SCUDD., Cat. Orth. U. S., 19 (1900), *Ariz.*

See also Tryxalis (*Achurum*) sumichrasti.

Aconia

integra. *See* Anconia integra.

Acontista

cingulata. *See* Mantis (*Acontista*) cingulata.

cordilleræ SAUSS., Mitth. schweiz. ent. gesellsch., iii, 62 (1865), *Mex.*; Mant. amer., 34-36 (1871), *Id.*; Miss. scient. Mex., Rech. zool., vi, 230-240, pl. 6, fig. 17 (1872), *Id.*—WESTW., Rev. Mant., 23 (1889), *Id.*—SAUSS.-ZEHTN., Biol. centr. amer., Orth., 137 (1894), *Id.*

fraterna SAUSS.-ZEHTN., Biol. centr. amer., Orth., 136 (1894), *Costa Rica.*

mexicana SAUSS.-ZEHTN., Biol. centr. amer., Orth., 135-136, pl. 6, figs. 8, 10 (1894), *Mex., Nicar., Pan., Guat.*

multicolor SAUSS., Mitth. schweiz. ent. gesellsch., iii, 220 (1870), *Gyadeloupe*; Mant. amer., 37 (1871), *Antill., Guadeloupe.*—WESTW., Rev. Mant., 23 (1889), *Id.*—SAUSS.-ZEHTN., Biol. centr. amer., Orth., 136 (1894), *Antill.*

vitrea SAUSS.-ZEHTN., Biol. centr. amer., Orth., 138, pl. 6, fig. 9 (1894), *Mex., Costa Rica, Pan.*

Acrida

See Gryllus (*Acrida*).

Acridium

albolineatum THOM., Rep. U. S. geol. surv. w. 100 mer., v, 897, pl. 43, fig. 1 (1875), *Ariz.*?

alutaceum HARR., Ins. inj. veg., 1 ed., 139 (1841, 1842); 2 ed., 150 (1850); 3 ed., 173 (1862), *Mass.*—SCUDD., Bost. journ. nat. hist., vii, 466 (1862), *Mass., Conn.*—RATHV., Rep. U. S. dep. agric., 1862, 384-385, pl., fig. 25 (1862).—PACK., Guide ins., 1 ed., 571 (1869), *Atl. st.*—SMITH, Rep. Conn. bd. agric., 1872, 370, 381 (1872), *Conn.*—GLOV., Ill. N. A. ent., Orth.,

pl. 8, fig. 13; pl. 10, fig. 13 (1872).—THOM., Rep. U. S. geol. surv. terr., v, 171 (1873), *Mass., Conn., Car., Fla.*—BRUN., Can. ent., ix, 145 (1877), *Nebr.*—GIR., *Traité ent.*, ii, 251 (1879), *U. S.*—BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *East. U. S.*—RIL., *Stand. nat. hist.*, ii, 194 (1884), *Id.*—HUBB., *Ins. orange*, 136–137 (1885).—BRUN., *Bull. Washb. coll.*, i, 136, 199 (1885, 1886), *Kans.*—COMST., *Intr. ent.*, 106 (1888).—FERN., *Ann. rep. Mass. agric. coll.*, xxv, 114, 115 (1888), *N. E.*; *Orth. N. Engl.*, 30, 31 (1888), *Id.*—DAV., *Ent. amer.*, v, 804 (1889), *Staten Isl.*—SMITH, *Cat. ins. N. J.*, 413 (1890), *N. J.*—BLATCHL., *Can. ent.*, xxiii, 79–80 (1891), *Ind.*—MCNEILL, *Psyche*, vi, 73 (1891), *Ill.*—OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1892), *Iowa.*—SMITH, *Bull. N. J. exp. st.*, xc, 34 (1892), *N. J., Cape Cod.*—GARM., *Orth. Ky.*, 3, 8 (1894), *Ky.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 304, pl. 9, fig. 2 (1894), *N. Y.*—BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.*—FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.*

ambiguum THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 447–448 (1872), *Ill., Kans., Tenn.*; *Rep. U. S. geol. surv. terr.*, v, 173 (1873), *Id.*; *Key Ill. Orth.*, 3 (1875?), *Ill.*—BRUN., *Can. ent.*, ix, 145 (1877), *Nebr.*; *Rep. U. S. ent. comm.*, iii, 58 (1883), *Ill., Kans., Tenn.*

americanum SCUDD., *Bost. journ. nat. hist.*, vii, 466–467 (1862), *N. Car., Fla., Ala., Tex., Ill.*—RATHV., *Rep. U. S. dep. agric.*, 1862, 385, pl., figs. 25, 25a (1862).—THOM., *Trans. Ill. st. agric. soc.*, v, 448, 452 (1865), *Ill.*—WALSH-RIL., *Amer. ent.*, i, 60 (1868), *Mo.*—RIL., *Ibid.*, ii, 245 (1870), *Id.*—THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 448 (1872), *Ill., D. C.*—GLOV., *Ill. N. A. ent., Orth.*, pl. 1, fig. 15 (1872).—THOM., *Rep. U. S. geol. surv. terr.*, v, 172, pl., fig. 8 (1873), *N. Car., Fla., Ala., Tex., Ill., Tenn., Miss., D. C., Va., N. Y.*; *Key Ill. Orth.*, 3 (1875?), *Ill.*—RIL., *Ann. rep. ins. Mo.*, vii, 174 (1875), *U. S.*; *Ibid.*, viii, 103–104, fig. 40 (1876).—THOM., *Bull. Ill. mus. nat. hist.*, i, 69 (1876), *Ill.*—RIL., *Ann. rep. ins. Mo.*, viii, 84, fig. 17 (1877); *Locust plague*, 101–102, fig. 15 (1877).—BESS., *Bienn. rep. Iowa agric. coll.*, vii, 210 (1877), *Iowa.*—BRUN., *Can. ent.*, ix, 145 (1877), *Nebr.*—SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 86 (1877), *Fla.*; *Ent. notes*, vi, 27 (1878), *Id.*—RIL., *Rep. U. S. ent. comm.*, i, 221, 226, 228, 232, 236–237, 448–449, 458, fig. 6 (1878), *Mo., N. C., S. C., Geo., Va., Ind., Ohio.*—THOM., *Ibid.*, i, 37 (1878), *south of St. Louis.*—PACK., *Ibid.*, i, 463 (1878), *Yucatan.*—GIR., *Traité ent.*, ii, 251 (1879), *South. U. S.*—THOM., *Amer. ent.*, iii, 250 (1880), *Ill.*; *Rep. ent. Ill.*, ix, 91, 96, 129–130, fig. 10 (1880), *Id.*; *Rep. U. S. ent. comm.*, ii, 57–59 (1881).—PACK., *Nat. leisure hour*, v, no. 4, 8, fig. (1881).—BRUN., *Rep. U. S. ent. comm.*, iii, 54, 58 (1883), *U. S.*—FORBES, *Rep. ins. Ill.*, xiii, 62, 87; xiv, 23 (1884), *Ill.*—RIL., *Stand. nat. hist.*, ii, 194, fig. 269 (1884).—PACK., *Amer. nat.*, xix, 1105–1106 (1885), *Mex., Yucatan.*—HUBB., *Ins. orange*, 136, fig. 55 (1885).—HUNT, *Misc. ess. econ. ent. Ill.*, 123, 126 (1886).—COOK, *Beal, Grasses N. A.*, i, 395 (1887).—COMST., *Intr. ent.*, 106–107, fig. 96 (1888).—DAV., *Ent. amer.*, v, 80–81 (1889), *Staten Isl.*—LUGG., *Rep. agric. exp. st. Minn.*, 340, fig. 18 (1889).—BRUN., *Can. ent.*, xxiii, 191 (1891), *Yucatan, Centr. Amer., Mex., Ohio River*; *Rep. ent. soc. Ont.*,

xxii, 47 (1891); *Ins. life*, iv, 20 (1891).—OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1892), *Iowa*.—BEUT., *Bull. amer. mus. nat. hist.*, vi, 304–305, pl. 9, fig. 3 (1894), *N. Y.*—MOFF., *Can. ent.*, xxvii, 52 (1895), *Ont.*

appendiculatum UHL., *Prov., Faune ent. Can.*, ii, 37 (1877), *Can.*—SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 86 (1877), *Fla.*; *Ent. notes*, vi, 27 (1878), *Id.*; *Psyche*, ii, 154 (1878), *Id.*—BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *Id.*—CAULF., [-culum] *Rep. ent. soc. Ont.*, xviii, 71 (1886), *Quebec*; *Can. rec. sc.*, ii, 401 (1887), *Id.*; *Can. Orth.*, 14 (1887), *Id.*

appendiculum. See *Acridium appendiculatum*.

bivittatum THOM., *Trans. Ill. st. agric. soc.*, v, 449 (1865), *Ill.*

brevicorne. See *Gryllus (Acridium) brevicornis*.

carolinianum. See *Acridium carolinum*.

carolinum DE GEER, [Acryd.-] *Mém. hist. ins.*, iii, 491, pl. 47, figs. 2, 3 (1773), *Car. Penn.*—GOEZE, De Geer, *Gesch. ins.*, iii, 319, pl. 41, figs. 2, 3 (1780), *N. A.*—OLIV., *Encycl. méth.*, vi, 225 (1791), *N. A.*—PALIS., [-linianum] *Ins. Afr. Amér.*, 147, pl. 4, fig. 6 (1805–1821), *S. C.*—HAHN, *Icon. Orth.*, pl. A, fig. 3 (1836), *Amer.*

coloratum SERV., *Orth.*, 674 (1839), *S. C.*—BURM., *Germ., Zeitschr. ent.* ii, 51 (1840), *Amer.*—HAAN, *Bijdr. kenn. Orth.*, 144 (1842), *Car.*

compressum THUNB., [Acryd.-] *Nov. act. Upsal.*, vii, 162 (1815), *Jam.*—GERM., *Germ., Mag. ent.*, iii, 408 (1818), *Id.*

concolor THOM., *Rep. U. S. geol. surv. terr.*, v, 230 (1873), *Mex.*

cubense SAUSS., *Rev. mag. zool.*, 1861, 163 (1861), *Cuba*; *Orth. nov. amer.*, ii, 14 (1861), *Id.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 232 (1873), *Id.*—BOL., *Mém. soc. zool. France*, i, 144 (1888), *Id.*; *Orth. Cuba*, 29 (1888), *Id.*—GUNDL., *Ent. cub.*, ii, 343, 387 (1890), *Id.*

damnificum SAUSS., *Rev. mag. zool.*, 1861, 164 (1861), *Tenn.*; *Orth. nov. amer.*, ii, 14 (1861), *Id.*

differentiale UHL., *Thom., Trans. Ill. st. agric. soc.*, v, 450 (1865), *Ill.*

diversiferum THOM., *Rep. U. S. geol. surv. terr.*, v, 231 (1873), *N. A.*

dux OLIV., *Encycl. méth.*, vi, 215, pl. 126, fig. 1 (1791), *Hond.*—FITCH, *Trans. N. Y. st. agric. soc.*, xvi, 507 (1856), *Trop. Amer.*; *Rep. ins. N. Y.*, iii, 172 (1859), *Id.*—FLOR., v. Siv., *Antill.*, 12 (1861), *Hond., Senegita.*

emarginatum UHL., *Dodge, Can. ent.*, iv, 15 (1872), *Nebr.*—THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 449 (1872), *Col., Nebr.*—SCUDD., *Rep. U. S. geol. surv. Nebr.*, 250 (1872), *Nebr.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 172 (1873), *Col., Nebr., Dak.*; *Proc. Dav. acad. nat. sc.*, i, 262 (1876), *Iowa, Utah.*—PUTN., *Ibid.*, i, 266 (1876), *Utah.*—THOM., *Bull. Ill. mus. nat. hist.*, i, 69 (1876), *Ill.*—BRUN., *Can. ent.*, ix, 145 (1877), *Nebr.*—THOM., *Bull. U. S. geol. surv. terr.*, iv, 500 (1878), *Ill.*—GIR., *Traité ent.*, ii, 251 (1879), *Col., Nebr., Dak.*—THOM., *Rep. ent. Ill.*, ix, 91, 96, 128–129 (1880), *Ill.*—BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *Col., Nebr., Dak.*—MCNEILL, *Psyche*, vi, 73 (1891), *Ill.*—OSB.—GOSS, *Bull. Iowa exp. st.*, xv, 267 (1891).—OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1892), *Iowa.*—TOWNS., *Ins. life*, vi, 30 (1893), *N. Mex., Grand Cañon.* [See also *infra*, p. 348.]

ensicornu DE GEER, [Acryd.-] Mém. hist. ins., iii, 499, pl. 42, fig. 7 (1773), *Penn.*—GOEZE, De Geer, Gesch. ins., iii, 325, pl. 42, fig. 7 (1780), *Id.*

femorale OLIV., [Acryd.-] Encycl. méth., vi, 228 (1791), *Penn.*

femur rubrum DE GEER, [Acryd.-] Mém. hist. ins., iii, 498, pl. 42, fig. 5 (1773), *Penn.*—GOEZE, De Geer, Gesch. ins., iii, 324, pl. 42, fig. 5 (1780), *Id.*—HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833); 2 ed., 576 (1835); Cat. ins. Mass., 56 (1835); Ins. inj. veg., 1 ed., 141 (1841, 1842), *U. S.*—FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.*—HARR., Ins. inj. veg., 2 ed., 151 (1852), *U. S.*—EMM., Agric. N. Y., v, 146, pl. 9, fig. 4 (1854), *N. Y.*—HARR., Ins. inj. veg., 3 ed., 174 (1862), *U. S.*—RATHV., Rep. U. S. dep. agric., 1862, 384, pl., fig. 23 (1862).—THOM., Trans. Ill. st. agric. soc., v, 451, 452 (1865), *U. S.*

flavofasciatum HARR., [Acryd.-] Hitchc., Rep. geol. Mass., 1 ed., 583 (1833); 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*—HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*—THOM., Proc. acad. nat. sc. Philad., 1870, 78 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Id.*

flavovittatum HARR., Ins. inj. veg., 1 ed., 140-141 (1841, 1842), *Mass.*—FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.*—HARR., Ins. inj. veg., 2 ed., 151 (1852), *Mass.*—EMM., Agric. N. Y., v, 147 (1854), *N. Y.*—HARR., Ins. inj. veg., 3 ed., 173 (1862), *Mass.*—RATHV., Rep. U. S. dep. agric., 1862, 384 (1862).

frontale THOM., Ann. rep. U. S. geol. surv. terr., v, 448-449, pl. 2, fig. 1 (1872), *Kans.*—GLOV., Ill. N. A. ent., Orth., pl. 11, fig. 1 (1872).—THOM., Rep. U. S. geol. surv. terr., v, 169 (1873), *Id.*—BRUN., Rep. U. S. ent. comm., ii, 58 (1883), *Id.*; Bull. Washb. coll., i, 135 (1885), *Id.*; Bull. div. ent. U. S. dep. agric., xiii, 11, (1887), *Tex.*—OSB., Ins. life, iv, 51 (1891), *Kans.*; Rep. ent. soc. Ont., xxii, 70 (1891), *Id.*; Bull. div. ent. U. S. dep. agric., xxvii, 59 (1892), *Id.*—BRUN., Ibid., xxviii, 12-13, fig. 3 (1893), *Kans., Tex., N. Dak., Nebr., Wyo., Col., N. Mex., Iowa, Mo.*; Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 45, 40 (1898), *Kans., Col.*

granulatum KIRB., [Acryd.-] Faun. bor. amer., iv, 251 (1837), *N. A., lat. 65°*.—WHITE, Rich. arct. search exp., ii, 360 (1851), *Mackenzie and Slave Rivers, Ft. Simpson.*—BETH., Can. ent., vii, 130 (1875), *Id., N. E., Minn.*; Ins. Brit. Amer., 121 (1884), *Id.*

hemipterum PALIS., Ins. Afr. Amér., 145, pl. 4, fig. 3 (1817), *U. S., S. C.*

inscriptum THOM., Rep. U. S. geol. surv. terr., v, 228 (1873), *Jam.*

laterale OLIV., [Acryd.-] Encycl. méth., vi, 228 (1791), *Isles Amér. mérid.*.—SAY, Amer. ent., pl. 5 (1824), *Geo., Fla.*—THOM., Ent. arch., i, 41 (1827), *Id.*—SAY, Ent. N. A., ed. LeC., i, 10, pl. 5 (1859), *Id.*

latreillei FITCH, Trans. N. Y. st. agric. soc., xvi, 507 (1856), *Trop. Amer.*; Rep. ins. N. Y., iii, 172, pl. 3, 4 (1859), *Id.*

luridescens WALK., Cat. Derm. salt. Brit. mus., iii, 513-514 (1870), *Hond.*—THOM., Rep. U. S. geol. surv. terr., v, 235 (1873), *Id.*

marginatum OLIV., [Acryd.-] Encycl. méth., vi, 229 (1791), *Penn.*

micropterum PALIS., *Ins. Afr. Amér.*, 146, pl. 4, fig. 4 (1817), *U. S., S. C.*

milberti SERV., *Orth.*, 641-649 (1839), *Amér. sept.*—HAAN, *Bijdr. kenn. Orth.*, 144 (1842), *Car.*

obscurum HARR., [*Acryd.*] *Hitchc., Rep. geol. Mass.*, 1 ed., 583 (1838); 2 ed., 576 (1835), *Mass.*; *Cat. ins. Mass.*, 56 (1835), *Id.*—BURM., *Handb. ent.*, ii, 632 (1838), *S. C.*—HAAN, *Bijdr. kenn. Orth.*, 144 (1842), *Car., Cuba.*—GUÉR., *Sagra, Hist. nat. Cuba*, 356 (1857), *Cuba, N. A.*—SCUDN., *Bost. journ. nat. hist.*, vii, 467 (1862), *Tex.*—WALK., *Cat. Derm. salt. Brit. mus.*, iii, 377 (1870), *S. C.*—GLOV., *Ill. N. A. ent., Orth.*, pl. 5, fig. 12 (1872).—THOM., *Rep. U. S. geol. surv. terr.*, v, 174 (1873), *S. C., N. A., Tex., Fla.*—BESS., *Bienn. rep. Iowa agric. coll.*, vii, 210 (1877), *Iowa.*—RIL., *Rep. U. S. ent.*, 1882, 78 (1882).—BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *South. St.*; *Bull. Washb. coll.*, i, 136 (1885), *Kans.*—HUBB., *Ins. orange*, 136 (1885).—BOL., *Mém. soc. zool. France*, i, 144 (1888), *Cuba*; *Orth. Cuba*, 29 (1888), *Id.*—SMITH, *Cat. ins. N. J.*, 413 (1890), *N. J.*—GUNDL., *Ent. cub.*, ii, 342-343 (1890), *Cuba.*—WEED, *Can. ent.*, xxiv, 278 (1892), *Miss.*—SMITH, *Bull. N. J. exp. st.*, xc, 4, 12, 14, 16, 17, 34, figs. 4e, 6b, 7, pl. 1, 2 figs. (1892). *N. J.*; *Ent. news*, iv, 48, pl., fig. b (1893).—ASHM., *Ins. life*, vii, 26 (1894), *Miss.*

See also *Acridium obsoletum.*

obsoletum SMITH, *Bull. N. J. exp. st.*, xc, 13, fig. 5c (1892) [error for *obscurum*?].

olivaceum SERV., *Orth.*, 666 (1839), *Cuba, Amér. sept.*—HAAN, *Bijdr. kenn. Orth.*, 144 (1842), *Cuba.*—GUÉR., *Sagra, Hist. nat. Cuba*, 356 (1857), *Cuba, Amér. sept.*—WALK., *Cat. Derm. salt. Brit. mus.*, iii, 578 (1870), *Id.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 236 (1873), *Id.*

ornatum SAY, [*Acryd.*] *Amer. ent.*, pl. 5 (1824), *Penn.*—THOM., *Ent. arch.*, i, 41 (1827), *Id.*—HALD., *Amer. journ. sc.*, (2), v, 435 (1848), *Chihuahua, Santa Fé.*—SAY, *Ent. N. A.*, ed. LeC., i, 10, pl. 5 (1859), *Penn.*

pallens BOL., *Mém. soc. zool. France*, i, 144 (1888), *Cuba*; *Orth. Cub.*, 29 (1888), *Id.*—GUNDL., *Ent. cub.*, 341-342 (1890), *Id.*

pantherinum WALK., *Cat. Derm. salt. Brit. mus.*, iv, 623 (1870), *Mex.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 236 (1873), *Id.*

pectorale THOM., *Rep. U. S. geol. surv. terr.*, v, 229 (1873), *San Dom.*

peregrinum BERG, *Stett. ent. zeit.*, xlii, 38-39 (1881), *Argentina etc., incl. Mex.*—SEGURA, *Inf. com. est. destr. lang.*, 28, 154, pl. (1883), *Amer. centr.*—RIL., *Stand. nat. hist.*, ii, 193-194 (1884), *Orient, Centr. and S. Amer.*

See also *Schistocerca (Acridium) peregrina.*

piceifrons WALK., *Cat. Derm. salt. Brit. mus.*, iii, 578 (1870), *Orizaba.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 232 (1873), *Id.*

proprium WALK., *Cat. Derm. salt. Brit. mus.*, iv, 621-622 (1870), *Oaxaca.*—THOM., *Rep. U. S. geol. surv. terr.*, v, 236 (1873), *Id.*

purpurascens OLIV., [*Acryd.*] *Encycl. méth.*, vi, 234 (1791), *Ile de la Trinité.*

quadrinaculatum THUNB., [Acryd.-] Nov. act. Upsal., vii, 160 (1815), *Ins. Barthol.*

rubiginosum HARR., Scudd., Bost. journ. nat. hist., vii, 467 (1862), *Cape Cod, Conn., S. C., Ala.*—WALK., Cat. Derm. salt. Brit. mus., iii, 578 (1870), *U. S.*—SMITH, Rep. Conn. bd. agric., 1872, 370, 381 (1872), *Conn.*—GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 5 (1872).—THOM., Rep. U. S. geol. surv. terr., v, 170–171 (1873), *Id.*, *Ill., Tenn., Md.*; Key Ill. Orth., 3 (1875?) *Ill.*; Bull. Ill. mus. nat. hist., i, 69 (1876), *Id.*—GIR., Traité ent., ii, 251 (1879), *South. U. S., Md., Tenn.*—THOM., Rep. ent. Ill., ix, 91, 96, 128 (1880), *Ill.*—BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *East. U. S.*—RIL., Stand. nat. hist., ii, 194 (1884), *Id.*—BRUN., Bull. Washb. coll., i, 135 (1885), *Kans.*—COMST., Intr. ent., 106 (1888).—FERN., Ann. rep. Mass. agric. coll., xxv, 114, 115 (1888), *N. E.*; Orth. N. E., 30, 31 (1888), *Id.*—DAV., Ent. amer., v, 80 (1889), *Staten Isl.*—SMITH, Cat. ins. N. J., 413 (1890), *N. J.*—MCNEILL, Psyche, vi, 53 (1891), *Ill.*—BRUN., Publ. Nebr. acad. sc., ii, 26 (1893), *Nebr.*—GARM., Orth. Ky., 3, 8 (1894), *Ky.*—BEUF., Bull. amer. mus. nat. hist., vi, 304, pl. 9, fig. 1 (1894), *N. Y.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.*—FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.*

rugosum PROV., Nat. can., viii, 111 (1876), *Can.*

rusticum OLIV., [Acryd.-] Encycl. méth., vi, 228 (1791), *Isles Amér. mérid.*—BURM., Handb. ent., ii, 633 (1838), *N. A.*—HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*—WALK., Cat. Derm. salt. Brit. mus., iii, 577 (1870), *N. A.*

sanguineipes HARR., [Acryd.-] Hitchc., Rep. geol. Mass., 1 ed., 583 (1836); 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

scutellare WALK., Cat. Derm. salt. Brit. mus., iii, 579 (1870), *Mex.*—THOM., Rep. U. S. geol. surv. terr., v, 233 (1873), *Id.*

semirubrum FIRCH, Trans. N. Y. st. agric. soc., xvi, 507 (1856), *Trop. Amer.*; Rep. ins. N. Y., iii, 172 (1859), *Id.*—SAUSS., Rev. mag. zool., 1861, 162 (1861), *Mex.*; Orth. nov. amer., ii, 13 (1861), *Id.*—GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 14 (1872).

shoshone THOM., Proc. acad. nat. sc. Philad., 1873, 296–297 (1873), *Nev., Utah*; Rep. U. S. geol. surv. terr., v, 175 (1873), *Ariz.*—GLOV., Ill. N. A. ent., Orth., pl. 15, fig. 3 (1874).—THOM., Rep. U. S. geol. surv. w. 100 mer., v, 895, pl. 43, fig. 2 (1875), *Nev., Ariz.*—SCUDD., Rep. U. S. ent. comm., ii, App., 23–24 (1881), *Nev.*—BRUN., Ibid., iii, 58 (1883), *Ariz., Nev., Utah.*—RIL., Stand. nat. hist., ii, 194 (1884), *Utah, Nev.*—COQ., Rep. U. S. ent., 1885, 295, 297 (1886), *Cala.*—RIL., Ins. life, iv, 145 (1891), *Nev.*—BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 32 (1892).—TOWNS., Can. ent., xxiv, 108 (1892), *N. Mex.*—COCK., Ent. news, iv, 44 (1893), *Col.*—BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 11–12, fig. 2 (1893), *Nev., Ariz., Utah, Cala., N. Mex., Tex., Mex.*—TOWNS., Ins. life, vi, 30 (1893), *N. Mex.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 47, 48, 49, 53 (1898), *Col., Utah, Idaho.*

simulator THOM., [trix] Rep. U. S. geol. surv. terr., v, 230 (1873), *St. Dom.*

speciosum BURM., Germ., Zeitschr. ent., ii, 51 (1840), *Amer.*

spretum UHL., Thom., [spretis] Trans. Ill. est. agric. soc., v, 450 (1865), *Ill.*

strenuum WALK., Cat. Derm. salt. Brit. mus., iii, 580-581 (1870), *Oaxaca*. — THOM., [-num] Rep. U. S. geol. surv. terr., v, 234 (1873), *Id.*

sulphureum OLIV., [Acryd.-] Encycl. méth., vi, 227 (1791), *Amér. sept.*
— PALIS., Ins. Afr. Amér., 145, pl. 4, fig. 2 (1817), *U. S., Va.*

tartaricum GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 9 (1874).

toltecum SAUSS., Rev. mag. zool., 1861, 163 (1861), *Mex.*; Orth. nov. amer., ii, 14 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 578 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 232 (1873), *Id.*

torvum HARR., [Acryd.-] Hitchc., Rep. geol. Mass., 2 ed, 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 577 (1870), *U. S.*

tuberculatum PALIS., Ins. Afr. Amér., 145, pl. 4, fig. 1 (1817), *U. S.*

unilineatum THOM., Rep. U. S. geol. surv. terr., v, 170 (1873), *Ind.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

vagum SCUDD., Proc. Bost. soc. nat. hist., xviii, 269-270 (1876), *Guadalupe, Cala.*; Ent. notes, v, 24-25 (1876), *Id.*; Ann. rep. chief eng., 1876, 501 (1876), *Cala., Mohave desert*; Ann. rep. geogr. surv. w. 100 mer., 1876, 281 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Cala.* — COY., Ins. life, i, 227 (1889), *Id.*

varipes WALK., Cat. Derm. salt. Brit. mus., iii, 581 (1870), *St. Dom.* — THOM., Rep. U. S. geol. surv. terr., v, 235 (1873), *Id.* — COCK., Journ. Inst. Jam., i, 258 (1893), *Jam.*

velasquezii LUCAS, Ann. soc. ent. France, (3), iv, Bull., 67 (1856), *Vera Cruz*. — NIETO, Rev. mag. zool., (2), ix, 360, pl. 12 (1857), *Id.*; Nouv. Orth., 2, pl. 12 (1857), *Id.*

verrucosum DE GEER, [Acryd.-] Mém. hist. ins., iii, 486, pl. 40, fig. 6 (1773), *Amér.* — GOEZE, De Geer, Gesch. ins., iii, 315, pl. 40, fig. 6 (1780), *Id.*

vicarium WALK., Cat. Derm. salt. Brit. Mus., iii, 580 (1870), *Orizaba, Oajaca*. — THOM., Rep. U. S. Geol. surv. terr., v, 234 (1873), *Id.*

virginianum OLIV., [Acryd.-] Encycl. méth., vi, 224 (1791), *Amér. sept., Va.*

viridifasciatum GOEZE, [Acryd.-] De Geer, Gesch. ins., iii, 325, pl. 42, fig. 3 (1780), *Penn.*

vittatum PALIS., Ins. Afr. Amér., 146, Orth. pl. 4, fig. 5 (1817), *W. Africa, St. Dom., U. S.*

vitticeps WALK., Cat. Derm. salt. Brit. mus., iii, 579 (1870), *Oajaca*. — THOM., Rep. U. S. geol. surv. terr., v, 233 (1873), *Id.*

Acridium (Caloptenus)

bivittatum UHL., HARR., Ins. inj. veg., 3 ed., 173-174 (1862), *N. E. and west.*

femoratum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

femur rubrum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.* — UHL., Harr.,
Ins. inj. veg., 3 ed., 174 (1862), *U. S.*

Acridium (Chorophyllum)

rhombeum HAAN, Bijdr. kenn. Orth., 144 (1842), *Jam.*

sagrai HAAN, Bijdr. kenn. Orth., 144 (1842), *Cuba.*

Acridium (Cyrtacanthacris)

americanum D[ODGE], Field and for., ii, 145, fig. 4 (1877), *Ind., Va.*

Acridium (Gomphocerus)

pelidnum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

Acridium (Hymenotes)

rhombeum HAAN, Bijdr. kenn. Orth., 165 (1842), *Jam.*

Acridium (Locusta)

leucostoma HAAN, Bijdr. kenn. Orth., 143 (1842), *N. A.*

verruculatum HAAN, Bijdr. kenn. Orth., 143 (1842), *N. A.*

Acridium (Oedipoda)

carolinum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

discoideum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

obliteratum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

phoenicopterum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

sordidum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

sulphureum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

virginianum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

xanthopterum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

Acridium (Opomala)

bivittatum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

marginicollis HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

punctipennis HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

varipes HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

Acridium (Osmilia)

flavolineatum STÅL, Rec. Orth., i, 68 (1873), *Surinam, Pan., Mex.*

Acridium (Oxya)

clavuligerum SERV., Orth., 676, pl. 14, fig. 11^o (1839), *Amér. sept.* — HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

vitreipenne HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

Acridium (Podisma)

borckii STÅL, Orth. Eug. resa, 332 (1861), *Cala.*

Acridium (Rhomalea)

centurio HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

giganteum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

micropterum HAAN, Bijdr. kenn. Orth., 144, 151 (1842), *Car., Geo.*

Acridium (Schistocerca)

americanum STÅL, Rec. Orth., i, 66 (1873), *St. Barthol., Geo. N. C., Mex.*

columbinum STÅL, Rec. Orth., i, 67 (1873), *Ins. St. Barthol.*

pallens STÅL, Rec. Orth., i, 66 (1873) *Cuba.*

peregrinum BERG, Anal. soc. cient. Arg., ix, 275-277 (1880), *Argentina, Uruguay, Paraguay, Chile, Brazil, Mexico, Senegambia, Tenerife, Madeira, Argel, Egypt, Nubia, Arabia, E. Indies, Syria, Mesopotamia, Ionian Isl., Gibraltar, Cadiz, Huelba, S. Britain*; Segura, Inf. com. est. destr. lang., 91-94 (1883), *Id.*

Acridium (Tetrix)

arenosum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

cucullatum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

granulatum HAAN, Bijdr. kenn. Orth., 143 (1842), *N. A.*

oxycephalum HAAN, Bijdr. kenn. Orth., 143 (1842), *Tenn.*

polymorphum HAAN, Bijdr. kenn. Orth., 144 (1842), *Car.*

Acrocara

maculipenne SCUDD., Psyche, v, 437-438 (1890), *Mex.*

pulchellum SCUDD., Psyche, v, 437 (1890), *Idaho*; Cat. Orth. U. S., 20, (1900), *Id.*

Acrolophitus

hirtipes THOM., Ann. rep. U. S. geol. surv. terr., ii, 266, 278 (1871), *Col., Wyo.* — GLOV., Ill. N. A. ent. Orth., pl. 9, fig. 7 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 78, pl., fig. 13 (1873), *Id.*; Amer. nat., vii, 566 (1873), *Col. N. Mex., Wyo.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 267 (1876), *Col.*; Ann. rep. chief. eng., 1876, 515 (1876), *Id.*; Ann. rep. U. S. geol. surv. w. 100 mer.,

295 (1876), *Id.* — UHL., [-phita] Bull. U. S. geol. surv. terr., iii, 794 (1877), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 200 (1886), *Kans., Tex., Ft. McLeod, Brit. Amer.* — SCUDD., Psyche, v, 435-436 (1890), *Col., Tex., Kans.* — BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr., Wyo., Mont., Ft. McLeod.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 131-132 (1897), *Nebr., Wyo., Mont., S. Saskatchewan.* — SCUDD., Cat. Orth. U. S., 20 (1900), *Rocky Mt. region.*

Acrydium

See Acridium, passim.

Acyptera

lineata. *See* Arcyptera *lineata.*

Adeclus

brevipennis BRUNN., Monogr. Pseudoph., 114 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 408 (1898), *Id.*

Aegimia

cultrifera STÅL, Rec. Orth., ii, 46 (1874), *Mex.* — BRUNN., Monogr. Phaner., 145, pl. 3, fig. 36 (1878), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 315 (1897), *Id.*

Aegipan

grallator SCUDD., Proc. Bost. soc. nat. hist., xix, 39-40 (1877), *Tex.*; Ent. notes, vi, 17-18 (1878), *Id.*

phalangium SCUDD., Proc. Bost. soc. nat. hist., xix, 40 (1877), *Geo.*; Ent. notes, vi, 18 (1878), *Id.*

Aeoloplus

arizonensis SCUDD., Rev. Mel., 70, 78-79, pl. 6, fig. 3 (1897), *Ariz.*; Cat. Orth. U. S., 50 (1900), *Id.*

californicus SCUDD., Rev. Mel., 69, 73-74, pl. 5, fig. 8 (1897), *Cala.*; Cat. Orth. U. S., 50 (1900), *Id.*

chenopodii SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *West. U. S.*; Rev. Mel., 69, 74-75, pl. 5, fig. 9 (1897), *Col.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth. U. S., 50 (1900), *Col.*

elegans SCUDD., Rev. Mel., 69, 71, pl. 5, fig. 6 (1897), *N. Mex.* — COCK., Ent. news, x, 43 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 50 (1900), *Id.*

oculatus SCUDD., Rev. Mel., 70, 79-80, pl. 6, fig. 4 (1897), *Ariz.*; Cat. Orth. U. S., 50 (1900), *Id.*

plagosus SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *West. U. S.*; Rev. Mel., 69, 76-77, pl. 6, fig. 1 (1897), *N. Mex., Col.*; Cat. Orth. U. S., 51 (1900), *Id.*

regalis SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *West. U. S.*. — BRUN., [Oeol-] Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.*. — SCUDD., Rev. Mel., 69, 71-73, pl. 5, fig. 7 (1897), *Kans., Col., Tex., Nebr., Wyo.*; Cat. Orth. U. S., 51 (1900), *Wyo. to Tex.*. — HUNT.-SUTT., Psyche, ix, 64 (1900), *Kans.*

tenuipennis SCUDD., Rev. Mel., 69, 70-71, pl. 5, fig. 5 (1897), *Ariz.*; Cat. Orth. U. S., 51 (1900), *Id.*

turnbulli SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *West. U. S.*. — BRUN., [Oeol-] Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.*. — SCUDD., Rev. Mel., 69, 75-76, pl. 5, fig. 10 (1897), *Mont., Wyo., Nebr., Kans., Ariz., N. Mex.*; Cat. Orth. U. S., 51 (1900), *Mont. to N. Mex.*

uniformis SCUDD., Rev. Mel., 70, 77-78, pl. 6, fig. 2 (1897), *Ariz., Nev.*; Cat. Orth. U. S., 51 (1900), *Id.* •

Ageneotettix

deorum SCUDD., Cat. Orth. U. S., 28 (1900), *Col.*; Psyche, ix, 95 (1900), *N. Mex.*

scudderi SCUDD., Cat. Orth. U. S., 28 (1900), *Rocky Mts. to Miss. Riv., Ill., Ind.*

Agonozoa

See Trimerotropis (Agonozoa).

Agroecia

festae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 28-29 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 395 (1898), *Id.*

Agymnastus

ingens SCUDD., Can. ent., xxix, 75 (1897), *Cala.*; Cat. Orth. U. S., 36 (1900), *Id.*

Agyrtes

mexicana SAUSS.-PICT., Biol. centr. amer., Orth., 303-304, pl. 15, figs. 2-3 (1897), *Mex.*

Aidemona

azteca BRUNN., Rev. syst. Orth., 145 (1893). — SCUDD., Proc. amer. acad. arts sc., xxxii, 204 (1897), *Mex.*; Rev. Mel., 45-46, pl. 4, fig. 1 (1897), *Mex., Nicar.*

Akentetus

unicolor. See *Acentetus unicolor*.

Alpha

cinerea McNEILL, Proc. Dav. acad. nat. sc., vi, 246, 247 (1897), *Wyo., Idaho, Dak., Nebr.*—SCUDD., Cat. Orth. U. S., 23 (1900), *Plains e. of Rocky Mts.*; Psyche, ix, 95 (1900), *Tex., N. Mex., Cal.*

crenulata McNEILL, Proc. Dav. acad. nat. sc., vi, 246, 247 (1897), *Both slopes of Rocky Mts. e. to Dak. and Nebr.*—SCUDD., Cat. Orth. U. S., 23 (1900), *Rocky Mt. region.*

occipitalis BRUNN., Rev. syst. Orth., 121 (1893).—McNEILL, Proc. Dav. acad. nat. sc., vi, 246-247, pl. 4, figs. 18, 18ab (1897), *N. Mex., Ariz. to Idaho, Mont., and e. to Nebr., Dak.*—SCUDD., Cat. Orth. U. S., 23 (1900), *Plains e. of Rocky Mts., Ariz.*

Amaura

latipennis SAUSS.-PICT., Biol. centr. amer., Orth., 322 (1897), *Mex.*

Amblycorypha

brachyptera BRUN., MS., Ball, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.*
caudata RIL., Stand. nat. hist., ii, 188 (1884), *South. st.*—COMST., Intr. nt., 116 (1888).

guatemalae SAUSS.-PICT., Biol. centr. amer., Orth., 336-337, pl. 16, fig. 3 (1897), *Guat.*

huasteca BRUNN., Monogr. Phaner., 266 (1878), *Mex., Tex.*—BRUN., Bull. Washb. coll., i, 195-196 (1886), *Kans.*—SAUSS.-PICT., Biol. centr. amer., Orth., 337, pl. 16, fig. 4 (1897), *La., Tex., Tampico.*—SCUDD., Cat. Orth. U. S., 69 (1900), *Tex., La.*

oblongifolia STÅL, Rec. Orth., ii, 42 (1874), *Penn., Wisc.*—BRUNN., Monogr. Phaner., 266 (1878), *Penn., Mass., Conn., Tex., Geo.*—RIL., Stand. nat. hist., ii, 188 (1884), *North. U. S., Can.*—CAULF., Can. ent., xviii, 212 (1886), *Montreal.*—COMST., Intr. ent., 116 (1888).—FERN., Ann. rep. Mass. agric. coll., xxv, 104-105 (1888), *N. E.*; Orth. N. E., 20-21 (1888), *Id.*—DAV., Ent. amer., v, 80 (1889), *Staten Is.*—SMITH, Cat. ins. N. J., 409 (1890), *N. J.*—McNEILL, Psyche, vi, 21-22 (1891), *Ill.*—OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.*—SCUDD., Rep. ent. soc. Ont., xxiii, 68 (1893).—BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.*—BLATCHL., Proc. Ind. acad. sc., 1892, 104-105 (1894), *Ind.*—GARM., Orth. Ky., 7 (1894), *Ky.*—BEUT., Bull. amer. mus. nat. hist., vi, 278 (1894), *N. Y.*—BRUN., Nebr. st. hort. rep., 1895, 69 (1895).—BLATCHL., Orth. Ind., 22 (1897), *Ind.*—SCUDD., Psyche, viii, 54-55 (1897), *Mass.*—BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.*—SAUSS.-PICT., Biol. centr. amer., Orth., 336 (1897), *Mass.*

Conn., Penn., Geo., Tex. — LUGG., Orth. Minn., 222-223, fig. 147 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 70 (1900), *North. U. S. and Can. e. of Gr. Plains*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 160 (1900), *N. J.*

See also Phylloptera (Amblycorypha) *oblongifolia*.

parvipennis STAL, Bih. sv. vet. akad. handl., iv, no. 5, 58 (1876), *Tex.* — BRUNN., Mon. Phaner., 268, pl. 6, fig. 81 (1878), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 337 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 70 (1900), *Id.* **retinervis** DAV., Rep. ent. soc. Ont., xviii, 43 (1888); Can. ent., xix, 50 (1887).

rotundifolia SCUDD., Proc. Bost. soc. nat. hist., xix, 83 (1877), *Fla., Geo.* Ent. notes, vi, 24 (1878), *Id.* — BRUNN., Mon. Phaner., 268 (1878), *Mass., Vt. Conn., R. I., Ill., Penn., Geo.* — RIL., Stand. nat. hist., ii, 188, fig. 265 (1884) *North. U. S., Can.* — COMST., Intr. ent., 116 (1888). — FERN., Ann. rep. Mass agric. coll., xxv, 104-105 (1888), *N. E.*; Orth. N. E., 20-21 (1888), *Id.* — DAV. Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 409 (1890), *N. J.* — MCNEILL, Psyche, vi, 22 (1893), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2 119 (1892), *Iowa.* — SCUDD., Rep. ent. soc. Ont., xxiii, 68, 70, fig. 44 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 105-106 (1893), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 277, pl. 6, fig. 2 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — SAUSS.-PICT., Biol. centr. amer., Orth., 337 (1897), *Car., Geo., etc.* — LUGG., Orth. Minn., 222, fig. 146 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 70 (1900), *U. S. e. of Gr. Plains*; Psyche, ix, 103 (1900) *N. E.* — SMITH, Ins. N. J., 160 (1900) *N. J.*

scudderi BRUN., [-rae] Can. ent., xxiii, 73 (1891), *Nebr.* — SCUDD., [-rae] Rep. ent. soc. Ont., xxiii, 68 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 154 (1894), *Id.* — SCUDD. Cat. Orth. U. S., 70 (1900), *Id.*

tapaneca SAUSS.-PICT., Biol. centr. amer., Orth., 337 (1897), *Mex.*

uhleri STAL, Bih. sv. vet. akad. handl., iv, no. 5, 57 (1876), *Tex.* — BRUN., Mon. Phaner., 267 (1878), *Tex. Geo.* — RIL., Stand. nat. hist., ii, 188 (1884), *D. C.* — COMST., Intr. ent., 116 (1888), *D. C., Md.* — SMITH, Cat. ins. N. J., 409 (1890), *N. J.* — BLATCHL., Proc. Ind. acad. sc., 1892, 106-107 (1894). *Ind.*; Orth. Ind., 22 (1897), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 337 (1897), *Geo., Tex.* — LUGG., Orth. Minn., 223 (1898), *Minn.* — SCUDD. Cat. Orth. U. S., 70 (1900), *N. J. to Minn. and Tex.* — SMITH, Ins. N. J., 160 (1900) *N. J.*

Amblytropidia

auriventris MCNEILL, Proc. Dav. acad. sc., vi, 227 (1897), *Mex.*

ferruginosa BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 64 (1895), *Nicar.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 2 (1897), *Darien.*

occidentalis McNeill, Proc. Dav. acad. sc., vi, 226, 227, pl. 3, figs. 13, 13ab (1897), *Gulf st., Tenn., Geo., w. to Col., Ariz.* — Scudd., Cat. Orth. U. S., 22-23 (1900), *South. U. S.* — ^cSmith, Ins. N. J., 154 (1900), *N. J.*

subhyalina Scudd., Proc. Bost. soc. nat. hist., xvii, 511 (1875), *Tex.*; Ent. notes, iv, 85 (1875), *Id.*; Proc. Bost. soc. nat. hist., xix, 88 (1877), *Fla., Can.*; Ent. notes, vi, 29 (1878), *Id.*; Psyche, ii, 154 (1878), *Fla.*; Cent. Orth., 23 (1879), *Id.* — Brun., Rep. U. S. ent. comm., iii, 58 (1883), *Tex.*

See also *Chloealtis* (Amblytropidia) *subhyalina*.

Ameles

borealis Brun., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

mexicana Sauss., Mél. Orth., i, pt. 3, 250 (1870), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxi, 102 (1870), *Id.*; Mant. amér., 99-100, pl. 1, figs. 14, 15 (1871), *Id.*; Miss. scient. Mex., Rech. zool., vi, 258-259 (1874), *Id.* — Gir., Traité ent., ii, 82 (1879), *Amér.* — Brun., Bull. Washb. coll., i, 192-193 (1886), *Kans.* — Westw., Rev. Mant., 6 (1889), *Mex.* — Brun., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

Ameles (Yersinia)

mexicana Westw., Rev. Mant., 7 (1889), *Mex.*

Amphiacusta

See Amphiacustes.

Amphiacustes

annulipes Sauss., [-ta] Miss. scient. Mex., Rech. zool., vi, 445-447, pl. 8, fig. 40 (1874), *Cuba.* — Bol., [-ta] Mém. soc. zool. France, i, 157 (1888), *Id.*; [-ta] Orth. Cuba, 42 (1888), *Id.* — Gundl., Ent. cub., ii, 371 (1891), *Id.*

aranea Sauss., Mém. soc. phys. hist. nat. Gen., xxv, 431 (1878), *Antill.*; Mél. Orth., ii, 571 (1878), *Id.*

aztecus Sauss., [-ta] Miss. scient. Mex., Rech. zool., vi, 449-450, pl. 8, figs. 39, 39a (1874), *Mex.*; Biol. centr. amer., Orth., 248, pl. 12, fig. 18 (1897), *Vera Cruz, Cordoba, Orizaba.*

caribeus Sauss., Biol. centr. amer., Orth., 248-249 (1897), *Guadeloupe.*

grandis Sauss., [-ta] Miss. scient. Mex., Rech. zool., vi, 447-448 (1874), *Antill.* — Bol., [-ta] Mém. soc. zool. France, i, 157-158 (1888), *Cuba*; [-ta] Orth. Cuba, 42-43 (1888), *Id.* — Gundl., Ent. cub., ii, 372 (1891), *Id.*

phalangium Sauss., [-ta] Miss. scient. Mex., Rech. zool., vi, 450-451 (1874), *Amér. centr.*; Biol. centr. amer., Orth., 249, pl. 12, fig. 19 (1897), *Guat.*

toltecus Sauss., Biol. centr. amer., Orth., 247-248, pl. 12, figs. 14-17 (1897), *Mex.*

Amphitornus

bicolor McNEILL, Proc. Dav. acad. sc., vi, 224-225, pl. 3, figs. 11, 11ab (1897), *Mont., Wyo., Col., Kans., Nebr.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127-128 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 22 (1900), *Mont. to Kans.*

ornatus McNEILL, Proc. Dav. acad. sc., vi, 224, 225 (1897), *Cal.* — SCUDD., Cat. Orth. U. S., 22 (1900), *Id.*; Psyche, ix, 95 (1900), *N. Mex., Cal., Oreg.*

Amusus

festae GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6-7 (1897), *Darien.*

kirschianus GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

mexicanus SAUSS., Biol. centr. amer., Orth., 245, pl. 12, figs. 11-13 (1897), *Mex.*

Anabrus

coloradus THOM., Ann. rep. U. S. geol. surv. terr., v, 440 (1872), *Col.* — SCUDD., Ann. rep. chief eng., 1876, 500 (1876), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 280 (1876), *Id.* — THOM., Bull. U. S. geol. surv. terr., iv, 485 (1878), *Manit.*; Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — PACK., Rep. U. S. ent. comm., ii, 168-169 (1881). — BRUN., Bull. Washb. coll., i, 130 (1885), *Kans.* — COMST., Intr. ent., 118 (1888). — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — SCUDD., Can. ent., xxvi, 181, 183 (1894); Psyche, viii, 95 (1897), *Col., N. Mex., Tex.*; Appal., viii, 317-318 (1898), *Id.*; Alp. Orth. N. A., 19-20 (1898), *Id.*; Cat. Orth. U. S., 77 (1900), *Manit., Nebr., Kans., Col., N. Mex., Tex.*

haldemanii GR., Marcy, Expl. Red Riv., 259, pl. 15, figs. 5-8 (1853); *Ibid.*, 248, pl. 15, figs. 5-8 (1854), *Red Riv., Ark.* — WALK., Cat. Derm. salt. Brit. mus., ii, 239 (1869), *Id.* — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Col., Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 16, (1872). — THOM., Can. ent., xii, 223 (1880); Rep. U. S. ent. comm., ii, 259 (1881).

minutus THOM., Proc. acad. nat. sc. Philad., 1870, 75-76 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 267 (1871), *Col., N. Mex.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

purpurascens UHL., Proc. ent. soc. Philad., ii, 550-551 (1864), *Minn., Tex., Wash.* — WALSH, [-ratus] Pract. ent., ii, 2 (1866), *Col.* — WALK., Cat. Derm. salt. Brit. mus., ii, 239 (1869), *Minn., Tex., Wash.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 431, 438 (1872), *Id., N. Mex. to Mont.* — GLOV., Ill. N. A. ent., Orth., pl. 17, figs. 10-11 (1874). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 904 (1875), *Col., N. Mex.* — SCUDD., Daws., Rep. geol. res. 49 par., 343 (1875), *Souris Riv.*; Butt. Orth. Brit. N. A. bound. surv., 3 (1875),

Id. — THOM., Proc. Dav. acad. nat. sc., i, 263 (1876), *Nebr.*; Bull. U. S. geol. surv. terr., iv, 485 (1878), *Dak., Mont.*; Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — RIL., Rep. U. S. ent. comm., i, 327 (1878). — PACK., *Ibid.*, ii, 163-170, fig. 1a-c (1881), *Col.* — MIN., *Ibid.*, ii, 183-222, pl. 8, fig. 6 (1881). — RIL., Stand. nat. hist., ii, 185 (1884), *Rocky Mts. to Miss. Riv.* — CAULF., Rep. ent. soc. Ont., xviii, 64, 70 (1888), *Can.*; Can. rec. sc., ii, 398 (1887), *Souris Riv.*; Can. Orth., 11 (1887), *Id.* — COMST., Intr. ent., 118 (1888). — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — SCUDD., Can. ent., xxvi, 181, 183 (1894); Psyche, viii, 95 (1897), *Mont. to Dak., Manit. to Kans.* — LUGG., Orth. Minn., 246-247, figs. 161, 162 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 77 (1900), *Wash. and Manit., s. through Rocky Mts. to Tex.*

purpuratus. See *Anabrus purpurascens*.

similis SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1872), *Nebr.*; Can. ent., xxvi, 181, 183 (1894).

simplex HALD., Stansb., Expl. Utah, 372, pl. 10, fig. 4 (1852), *Utah.* — WALK., Cat. Derm. salt. Brit. mus., ii, 239 (1869), *Id.* — GLOV., Rep. U. S. dep. agric., 1871, 79, fig. 13 (1871), *Id.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 438, pl. 1, fig. 1 (1872), *Utah, Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 1, pl. 14, fig. 5 (1872-1874); Rep. U. S. dep. agric., 1873, 141, fig. 14 (1873), *U. S.* — HERM., Verh. zool.-bot. gesellsch. Wien, xxiv, 209, pl. 6, figs. 76-86 (1874), *Utah.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 904 (1875), *Nev.* — PUTN., Proc. Dav. acad. sc., i, 187, 266 (1876), *Wyo., Col., Utah.* — THOM., *Ibid.*, i, 263 (1876), *Id.* — PACK., Rep. U. S. ent. comm., ii, 163-178, fig. 2ab-5, (1881), *Great basin.* — BRUN., *Ibid.*, iii, 61-64 (1883), *Idaho, Mont., etc.* — RIL., Stand. nat. hist., ii, 185, fig. 261 (1884), *Rocky Mts.* — HUFT, Miss. ess. econ. ent. Ill., 118, 126 (1886). — COMST., Intr. ent. 118 (1888). — PACK., Psyche, v, 198 (1889). — KOEB., Bull. div. ent. U. S. dep. agric., xxii, 94 (1889), *Calif.* — SCHWARZ, Can. ent., xxiii, 239 (1891), *Utah.* — BRUN., Ins. life, iv, 146 (1891), *Idaho*; Rep. bd. agric. Nebr., 1891, 243, 305, figs. 78a-c (1891); Bull. div. ent. U. S. dep. agric., xxvii, 29-32 (1892); Rep. bd. agric. Nebr., 1893, 458, fig. 97 (1893), *Nebr.* — MILL., Ins. life, vi, 20 (1893), *Idaho.* — REDT., Wanderheuschr., 33-34 (1893), *U. S. w. of Rocky Mts.* — SCUDD., Can. ent., xxvi, 181, 183 (1894); Psyche, viii, 95 (1897), *Utah to Cala., Or., Wash.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 48, 51 (1898), *Utah, Wyo.* — TUTT, Ent. rec., xi, 92-93 (1899), *U. S.* — SCUDD., Cat. Orth. U. S., 77 (1900), *Rocky Mts. to Sierra Nevadas.*

stevensoni THOM., Proc. acad. nat. sc. Philad., 1870, 75 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 266 (1871), *Col., N. Mex.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 19 (1874).

Anaplecta

albomarginata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 26 (1893), *Mex.*

azteca SAUSS., Rev. mag. zool., (2), xx, 97 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 17-18, pl. 1, figs. 10, 10a (1870), *Id.* — WALK., Cat.

Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 15 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 24 (1893), *Id.*

decipiens SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 27, pl. 3, fig. 5, pl. 4, figs. 10-11 (1893), *Mex.*

dohrniana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 28, pl. 3, fig. 3, pl. 4, fig. 15 (1893), *Guat.*

domestica SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 26-27 (1893), *Guat.*

dorsalis BRUNN., Blatt., 63 (1865), *Porto Rico.* — WALK., Cat. Blatt. Brit. mus., 181 (1868), *Id.*

elliptica SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 27-28, pl. 3, fig. 2, pl. 4, fig. 8 (1893), *Guat.*

fallax SAUSS., Rev. mag. zool., 1862, 163 (1862), *Guat.*; Orth. nov. amer., iii, 2 (1862), *Id.* — BRUNN., Blatt., 66 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 181 (1868), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 25, pl. 4, fig. 7 (1893), *Mex., Guat., Colomb.*

flabellata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 29, pl. 3, fig. 1, pl. 4, figs. 13-14 (1893), *Mex., Guat., Pan.*

fulgida SAUSS., Rev. mag. zool., 1862, 163 (1862), *Guat.*; Orth. nov. amer., iii, 2 (1862), *Id.*; Orth. Amér. moy., 50 (1864), *Id.* — BRUNN., Blatt., 66 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 181 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 19, pl. 1, fig. 12 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 28-29, pl. 4, fig. 16 (1893), *Mex., Guat.*

jansonii SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 29, pl. 3, fig. 4, pl. 4, fig. 9 (1893), *Nicar.*

lateralis SAUSS., Miss. scient. Mex., Rech. zool., vi, 19, pl. 1, fig. 13 (1870), *Colomb., Guat., Mex.* — BERG, Stett. ent. zeit., xlii, 27 (1881), *Id., Argén.* — BRUNN., Proc. zool. soc. Lond., 1893, 601 (1893), *Grenada, Coloxyb., Costa Rica, Argent.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

mexicana SAUSS., Rev. mag. zool., (2), xx, 97-98 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 15-16, figs. 9, 9a, 9e (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 15 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 22-23, pl. 4, figs. 1-2 (1893), *Id.*

nahua SAUSS., Rev. mag. zool., (2), xx, 354 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 14, pl. 1, fig. 11a (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 16 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 23 (1893), *Id.*

otomia SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 240 (1869), *Mex.*; Mém. Orth., i, 58 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 18-19 (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 16 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 24 (1893), *Id.*

parvipennis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 26 (1893), *Mex.*

plicipennis BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

sosia BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

tolteca SAUSS., Rev. mag. zool., (2), xx, 354 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 16-17 (1870) *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 16 (1871), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 23 (1893), *Id.*

Anaptycha

bipunctulata BRUNN., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 202, pl. 15, figs. 1ab (1892), *St. Vincent.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 83 (1893), *Id.*

Anaulocomera

antillarum BRUNN., Proc. zool. soc. Lond., 1893, 607 (1893), *Grenada.*

darieniica. See *Anaulocomera darwini darienica.*

darwini SAUSS.-PICT., Biol. centr. amer., Orth., 342 (1897), *Colomb., Darien, Gallapagos.*

darwini darieniica GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 5-7 (1896), *Darien.*

denticauda SAUSS.-PICT., Biol. centr. amer., Orth., 345, pl. 16, figs. 15, 16 (1898), *Yucatan.*

furcata BRUNN., Mon. Phaner., 287 (1878), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 342 (1897), *Id.*

laticauda BRUNN., Mon. Phaner., 292 (1878), *Mex., Colomb.* — BOL., Mém. zool. soc. France, i, 147 (1888), *Cuba*; Orth. *Cuba*, 32 (1888), *Id.* — GUNDEL., Ent. cub., ii, 349 (1890), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 211 (1892), *St. Vincent, Mex., Colomb.* — SAUSS.-PICT., Biol. centr. amer., Orth., 343-344, pl. 16, fig. 14 (1897), *Mex., Brit. Hond., Guat., Pan., Colomb.*

laticervix SAUSS.-PICT., Biol. centr. amer., Orth., 344 (1897), *Pan., Colomb.*

recticauda SAUSS.-PICT., Biol. centr. amer., Orth., 343, pl. 16, fig. 13 (1897), *Mex.*

Anaxipha

exigua SCUDD., Proc. Bost. soc. nat. hist., xix, 82 (1877), *Tex. to Md.*; Ent. notes, vi, 23 (1878), *Id.* — DAV., Amer. nat., xxii, 1148 (1888), *Staten Isl.*; Ent. amer., v, 79 (1889), *Id.* — SCUDD., Rep. ent. soc. Ont., xxiii, 67 (1893). — BEET., Bull. amer. mus. nat. hist., vi, 268 (1894), *N. Y.* — SCUDD., Journ. N. Y. ent. soc., iv, 99 (1896); Cat. Orth. U. S., 91 (1900), *N. Y. to Tex.* — SMITH, Ins. N. J., 164 (1900), *N. J.*

pulicaria SAUSS., Miss. scient. Mex., Rech. zool., vi, 371-372, pl. 7, fig. 1 (1874), *Mex., Antill., U. S.*; Mém. soc. phys. hist. nat. Gen., xxv, 475 (1878), *Mex., Antill.*; Mém. orth., ii, 615 (1878), *Id.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J., Penn., Del.* — MCNEILL, Psyche, vi, 6 (1891), *Ill.* — BLATCHER., Proc. Ind. acad. sc., 1891, 137 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc.,

iii, 32-33 (1893), *Nebr.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 118 (1894), *Ind.* — BRUN., *Nebr. st. hort. rep.*, 1895, 69 (1895). — SCUDD., *Journ. N. Y. ent. soc.*, iv, 99 (1896). — BLATCHL., *Orth. Ind.*, 23 (1897), *Ind.* — SAUSS., *Biol. centr. amer.*, *Orth.*, 233 (1897), *Tex., Mex.* — BALL, *Proc. Iowa acad. sc.*, v, 236 (1897), *Iowa.* — LUGG., *Orth. Minn.*, 274-275, fig. 185 (1898), *Minn.* — SMITH, *Ins. N. J.*, 164 (1900), *N. J.*

pumila SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 372-373 (1874), *Antill. septentrionalis*. See *Nemobius (Anaxipha) septentrionalis*.

Anchiptolis

gaumeri SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 421, 422, pl. 20, fig. 11 (1898), *Mex.*

inconstans BRUNN., *Mon. Pseudoph.*, 170 (1895), *Mex., Guat.*

mexicana SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 421-422, pl. 20, figs. 8-10 (1898), *Mex., Guat.*

subconspersa SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 421-422 (1898), *Guat.*

tenuistylus SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 421, 422-423 (1898), *Guat.*

Ancistrogaster

championi BORM., *Biol. centr. amer.*, *Orth.*, 10, pl. 2, fig. 13 (1893), *Pan.*; Schultze, *Tierreich*, xi, 92 (1900), *Id.*

gulosa SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 253 (1876), *Mex.*; *Proc. Bost. soc. nat. hist.*, xviii, 259-260, 300 (1876), *Id.*; *Ent. notes*, v, 14-15, 40 (1876), *Id.*; *Cent. Orth.*, 38-39 (1879), *Id.*; *Proc. Bost. soc. nat. hist.*, xxvii, 201, 217 (1896). — BORM., Schultze, *Tierreich*, xi, 91-92 (1900), *Id.*

impennis BORM., *Biol. centr. amer.*, *Orth.*, 10, pl. 2, figs. 14, 15 (1893), *Mex.*; Schultze, *Tierreich*, xi, 92 (1900), *Id.*

inopinata BURR, *Ann. mag. nat. hist.*, (7), vi, 85-87 (1900), *Costa Rica.*

luctuosa BORM., *Ann. soc. ent. Belg.*, xxvii, 83 (1883), *Mex., Brazil*; *Etud. Forf. nouv.*, 29 (1883), *Id.*; *Biol. centr. amer.*, *Orth.*, 9 (1893), *Guat., Pan., Brazil*; Schultze, *Tierreich*, xi, 90-91 (1900), *Id., Ecuador.*

panamensis BORM., *Ann. soc. ent. Belg.*, xxvii, 81-82, pl. 3, fig. 17 (1883), *Pan.*; *Etud. Forf. nouv.* 27-28, pl. 3, fig. 17 (1883), *Id.*; Schultze, *Tierreich*, xi, 93 (1900), *Id.*

spinax DOHRN, *Stett. ent. zeit.* xxiii, 229, pl. 1, fig. 1 (1862), *Mex.* — SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 253, 254 (1876), *Id.*; *Proc. Bost. soc. nat. hist.*, xviii, 301 (1876), *Id.*; *Ent. notes*, v, 41 (1876), *Id.* — BORM., *Compt. rend. soc. ent. Belg.*, 1880, 73 (1880), *Id.*; *Etud. Forf. exot.*, 6-7 (1880), *Id.*; *Biol. centr. amer.*, *Orth.*, 9 (1893), *Mex., Guat.*; Schultze, *Tierreich*, xi, 90 (1900), *Id.*

tolteca BORM., *Biol. centr. amer.*, *Orth.*, 10, pl. 2, figs. 11, 12 (1893), *Mex., Guat.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 202, 217 (1896). — BORM., Schultze, *Tierreich*, xi, 91 (1900), *Id.*

variegata BORM., Biol. centr. amer., Orth., 9, pl. 2, fig. 10 (1893), *Nicar., Pan., Venez., S. A.*; Schultze, Tierreich, xi, 91 (1900), *Id.*

Aconia

intēgra SCUDD., Ann. rep. chief eng., 1876, 515 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 295 (1876), *Id.* — BRUN., [Aconia] Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — RILL., N. A. fauna, vii, 251 (1893), *Id.* — Scudd., Cat. Orth. U. S., 44 (1900), *Id.*

Anechura

elongata BORM., Bol., Mém. soc. zool. France, i, 120-122 (1888), *Cuba.* — BOL., Orth. Cuba, 5-7 (1888), *Id.* — GUNDEL., Ent. cub., ii, 298-299 (1890), *Id.* — BORM., Schultze, Tierreich, xi, 103-104, figs. 38a-c (1900), *Id.*

Anepsia

conspersa BRUNN., Mon. Phaner., 270 (1878), *Chiriqui.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 66 (1895), *Nicar.*

mexicana BRUNN., Mon. Phaner., 271 (1878), *Mex., Costa Rica.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 66 (1895), *Nicar.*

obtusa. See *Anepsia tessellata obtusa.*

ovata BRUNN., Mon. Phaner., 271 (1878), *Costa Rica.*

tessellata BRUNN., Mon. Phaner., 270, pl. 6, fig. 82 (1878), *Mex., Chiriqui, Bogota, St. Thom.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 66 (1895), *Nicar.*

tessellata obtusa GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 7-10 (1896), *Darien.*

Angela

championi SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 158 (1894), *Guat.*

miranda SAUSS., Mant. amér., 60 (1871), *Mex.* — WESTW., Rev. Mant., 5 (1889), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 158 (1894), *Id.*

perpulchra WESTW., Rev. Mant., 5, 30 (1889), *Nicar.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 158, pl. 8, fig. 1 (1894), *Nicar., Pan.*

Anisobia

maritima. See *Anisolabis maritima.*

Anisolabis

advena KIRB., Journ. Linn. soc. Lond., xxiii, 517 (1890), *Jam.*

annulipes BORM., Biol. centr. amer., Orth., 5 (1893), *Mex., Nicar., south. Europe*; Schultze, Tierreich, xi, 48 (1900), *l'eber e'nen grossen teil der erde.*

antennata KIRB., Journ. Linn. soc. Lond., xxiii, 517-518 (1890), *Bermuda*.

antoni BORM., Biol. centr. amer., Orth., 5, pl. 1, fig. 10 (1893), *Mex., Guat., Nicar., Venez.* — BURR., Ann. soc. ent. Belg., xlv, 48 (1900), *Brazil, Peru, Venez., Amer. centr.* — BORM., Schultze, Tierreich, xi, 49-50 (1900), *Mex., Guat., Nicar., Venez.*

azteca SCUDD., Bull. U. S. geol. surv. terr., ii, 251 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 302 (1876), *Id.*; Ent. notes, v, 42 (1876), *Id.* — BORM., Anal. soc. esp. hist. nat., ix, 507 (1880), *Palma*. — BOL., Mém. soc. zool. France, i, 119 (1888), *Cuba*; Orth. Cuba, 4 (1888), *Id.* — GUNDL., Ent. cub., ii, 294 (1890), *Id.* — BORM., Biol. centr. amer., Orth., 5 (1893), *Mex.*; Schultze, Tierreich, xi, 49 (1900), *Mex., Centr. Amer., Antill., Peru.*

janeirensis BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 201 (1892), *St. Vincent, St. Catherine.* — BORM., Biol. centr. amer., Orth., 5, pl. 1, figs. 8, 9 (1893), *Nicar., Brazil*; Schultze, Tierreich, xi, 44 (1900), *Id.*

maritima FIEB., Lotos, iii, 257 (1853), *Italy, Sardinia, Sicily, Syria, S. C.*; Syn. eur. Orth., 74 (1854), *Id.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 251 (1876), *N. C., S. C., Fla., Berm., Nicar., etc.*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 303-304 (1876), *Europe and nearly whole world*; Ent. notes, v, 43-44 (1876), *Id.*; [Anisobia] Psyche, ii, 154 (1878), *Fla.* — BORM., Compt. rend. soc. ent. Belg., 1880, 70 (1880), *Brazil, St. Barthel., Guadeloupe*; Etud. Forf. exot., 3 (1880), *Id.* — DAY., Psyche, iii, 58 (1882), *Staten Isl.* — SCUDD., Proc. nat. sc. assoc. Stat. Is., Jan. 8, 1887 (1887), *Id.* — DAY., Amer. nat., xxii, 1148 (1888), *Id.*; Proc. nat. sc. assoc. Stat. Isl., May 12, 1888 (1888), *Id.*; Ent. amer., v, 81 (1889), *Id.* — SMITH, Cat. ins. N. J., 406 (1890), *N. J.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 201 (1892), *St. Vincent, Japan, Hayti, Cayenne, Colomb., Buenos Aires, La.* — BORM., Biol. centr. amer., Orth., 5 (1893), *Nicar., Costa Rica, Pan., south. Europe.* — BEUT., Bull. amer. mus. nat. hist., vi, 255, pl. 5, fig. 1 (1894), *N. Y., N. J.* — KNAB, Ent. news, ix, 21 (1898), *Conn.* — SCUDD., Cat. Orth. U. S., 5 (1900), *New York to New Orleans.* — SMITH, [-labia] Ins. N. J., 147 (1900), *N. J.* — BORM., Schultze, Tierreich, xi, 45 (1900), *Ueber den grössten teil der erde.*

Anisomorpha

bivittata SCUDD., Can. ent., xxvii, 30 (1895), *South-east. U. S.*; Cat. Orth. U. S., 14 (1900), *South. U. S.*

buprestoides GRAY, Syn. Phasm., 19 (1835), *Geo.* — BURM., Handb. ent., ii, 570 (1838), *Id.* — WESTW., Intr. class. ins., i, 434 (1839), *Amer.*; Cat. Orth., Phasm., 17 (1859), *Geo.* — UHL., Say, Ent. N. A., ed. LeC., i, 198 (1859), *Niagara, Missouri Riv.*; HARR., Ins. inj. veg., 3 ed., 146 (1862), *Fla., south. st.* — BURG., Proc. Bost. soc. nat. hist., xii, 355 (1869), *Key West.* — GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 8 (1872). — SCUDD., Psyche, i, 137, 138-139 (1876), *Tex.* — THOM., Bull. Ill. mus. nat. hist., i, 60 (1876), *Ill.* — SCUDD., Psyche, ii, 154 (1878), *Fla.* — MAYN., Contr. sc., i, 31-35, pl. 3, fig. 4-11

(1889), *Id.* — McNEILL, *Psyche*, vi, 78 (1891), *Ill.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 22 (1893), *Nebr.* — GARM., *Orth. Ky.*, 3, 10 (1894), *Ky.* — SCUDD., *Can. ent.*, xxvii, 30 (1895), *South-east. U. S.*; *Cat. Orth. U. S.*, 14–15 (1900), *South. U. S.*

* See also *Phasma* (Anisomorpha) buprestoides.

ferruginea GRAY, *Syn. Phasm.*, 18 (1835), *Car.* — BURM., *Handb. ent.*, ii, 570 (1838), *Id.* — WESTW., *Cat. Orth.*, *Phasm.*, 16 (1859), *Car.*, *Va.* — SCUDD., *Can. ent.*, xxvii, 30 (1895), *Southeast. U. S.*; *Cat. Orth. U. S.*, 15 (1900), *South. U. S.*

See also *Phasma* (Anisomorpha) ferrugineum.

Anisopygia

jocosicluna SAUSS., *Soc. ent.*, viii, 57 (1893), *Guat.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 50, pl. 1, figs. 5–6 [–clunis on plate] (1893), *Id.*

Anniceris

olivaceus GIGLI-TOS, *Boll. mus. zool. univ. Tor.*, xii, no. 301, 4–5 (1897), *Darien.*

Anophelepis

poeyi SAUSS., *Rev. mag. zool.*, (2), xx, 67 (1868), *Cuba*; *Miss. scient. MEX.*, *Rech. zool.*, vi, 171–172, pl. 4, figs. 18, 18a (1872), *Id.* — BOL., *Mém. soc. zool. France*, i, 141 (1888), *Id.*; *Orth. Cuba*, 26 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 385 (1890), *Trinidad, Cuba.*

scythus WESTW., *Cat. Orth.*, *Phasm.*, 68, pl. 2, fig. 3 (1859), *Mex.*

vittata WESTW., *Cat. Orth.*, *Phasm.*, 68, pl. 3, fig. 3 (1859), *Mex.*

Anostostoma

talpa. See *Locusta* (Anostostoma) *talpa.*

toltecum SAUSS., *Rev. mag. zool.*, 1861, 130 (1861), *Mex.*; *Orth. nova amer.*, ii, 5 (1861), *Id.*

Antemna

rapax STÅL, *Bih. sv. vet.-akad. handl.*, iv, no. 10, 88 (1877), *Chiriqui.* — WESTW., *Rev. Mant.*, 22 (1889), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 182 (1894), *Pan.*

Anurogryllus

abortivus SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 286 (1877), *Cuba*; *Mél. Orth.*, ii, 454 (1877), *Id.* — BOL., *Mém. soc. zool. France*, i, 156 (1888), *Id.*; *Orth. Cuba*, 41 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 368, 389 (1891), *Id.*

antillarum SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 285 (1877), *Cuba*; Mél. Orth., ii, 453 (1877), *Id.* — BOL., Mém. soc. zool. France, i, 156 (1888), *Id.*; Orth. Cuba, 41 (1888), *Id.* — GUNDEL., Ent. cub., ii, 367–368, 388 (1891), *Id.*

muticus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 284 (1877), *Antill.*,⁴ *Mex.*, *Colomb.*; Mél. Orth., ii, 452 (1877), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 217 (1892), *St. Vincent*, *Hayti*, *Mex.*, *Pan.*, *Venez.*, *Surinam*, *Brazil.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

Aphidna

alipes STÅL, Rec. Orth., ii, 28 (1874), *Mex.*

fuscifrons BRUNN., [-nia] Mon. Phaner., 153 (1878), *Mex.* — SAUSS.-PICT., [-nia] Biol. centr. amer., Orth., 316 (1897), *Mex.*, *Pan.*

simplicipes BRUNN., [-nia] Mon. Phaner., 157 (1878), *Mex.* — SAUSS.-PICT., [-nia] Biol. centr. amer., Orth., 316–317 (1897), *Id.*

Aphidnia

See Aphidna.

Aphonus

diversus SAUSS., Miss. scient. Mex., Rech. zool., vi, 512 (1874), *Nicar.*; Biol. centr. amer., Orth., 282 (1897), *Id.*

flavifrons SAUSS., Biol. centr. amer., Orth., 281–282, pl. 13, figs. 31, 32 (1897), *Mex.*

Aphonus (Stenaphonus)

macilentus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 666, pl. 19, fig. 71:3 (1878), *Colomb.*, *Pan.*, *Amér. trop.*; Mél. Orth., ii, 806, pl. 19, fig. 71:3 (1878), *Id.*

Apithes*

agitator SAUSS., [-is, -trix] Miss. scient. Mex., Rech. zool., vi, 490 (1874), *U. S.*, s. of *Id.* — BLATCHL., Proc. Ind. acad. sc., 1891, 139–140 (1892), *Ind.* — BEUT., [-thus] Bull. amer. mus. nat. hist., vi, 269 (1894), *South. U. S.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., [-trix] Psyche, viii, 71 (1897), *Mass.* — SAUSS., Biol. centr. amer., Orth., 267 (1897), *South. U. S.*, *Mex.*, *Cuba*, *San Dom.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — BLATCHL., Gleanings, 227–228 (1899), *Ind.* — SCUDD., Cat. Orth. U. S. 91 (1900), *South. U. S. e. Gr. Plains*; Psyche, ix, 105 (1900), *N. E.* — SMITH, Ins. N. J., 164 (1900), *N. J.*

See also Hapithus agitator.

**See also* Hapithus.

aztecus SAUSS., [-is, -ca] Miss. scient. Mex., Rech. zool., vi, 490-491, pl. 8, fig. 37 (1874), *Mex.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 69 (1895), *Nicar.* — SAUSS., Biol. centr. amer., Orth., 268, pl. 13, fig. 21 (1897), *Id.*

brevipennis SAUSS., Biol. centr. amer., Orth., 268 (1897), *Geo., La.* — SCUDD., Cat. Orth. U. S., 92 (1900), *Id.*

iritoratus BOL., Mém. soc. zool. France, i, 161-162 (1888), *Cuba*; Orth. Cuba, 46-47 (1888), *Id.* — GUNDL., Ent. cub., ii, 378-379 (1891), *Id.*

krugi SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 607, pl. 18, figs. 64: 1, 2 (1878), *Antill., Cuba*; Mém. Orth., ii, 747, pl. 18, figs. 64: 1, 2 (1878), *Id.*

macneilli BLATCHL., Can. ent., xxiv, 27 (1892), *Ind.* — SCUDD., Cat. Orth. U. S., 92 (1900), *Id.*

montanus SAUSS., Biol. centr. amer., Orth., 268-269, pl. 13, figs. 18-20 (1897), *Pan.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 9 (1897), *Darien.*

quadrutus SAUSS., [-is, -ta] Miss. scient. Mex., Rech. zool., vi, 488-489, pl. 7, figs. 16, 17, 17* (1874), *Antill., Mex.* — BOL., Mém. soc. zool. France, i, 161 (1888), *Mex., Mo., Cuba*; Orth. Cuba, 46 (1888), *Id.* — GUNDL., Ent. cub., ii, 378 (1891), *Cuba.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 69 (1895), *Nicar.*

See also *Hapithus quadratus*.

Apithis

See *Apithes*.

Apithus

See *Apithes*.

Apoballa

errabunda BRUNN., Mon. Phaner., 349, pl. 7, fig. 101* (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 366-367 (1898), *Mex., Guat.*

Apocerycta

incommoda BRUNN., Mon. Phaner., 332, pl. 7, fig. 96 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 356 (1898), *Id.*

Apote

notabilis SCUDD., Can. ent., xxix, 73 (1897), *Or.*; Cat. Orth. U. S., 76 (1900), *Id.*

Aptenopedes

aptera SCUDD., Proc. Bost. soc. nat. hist., xix, 86 (1877), *Fla.*; Ent. notes,

vi, 27 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*—SCUDD., Proc. amer. acad. arts sc., xxxii, 206 (1897), *Gulf st.*; Rev. Mel., 399, 402 (1897), *Fla., Tex.*; Cat. Orth. U. S., 66 (1900), *Gulf st.*

rufovittata SCUDD., Proc. Bost. soc. nat. hist., xix, 85-86 (1877), *Fla.*; Ent. notes, vi, 26-27 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*—SCUDD., Proc. amer. acad. arts sc., xxxii, 206 (1897), *Gulf st.*; Rev. Mel., 399, 401 (1897), *Fla.*; Cat. Orth. U. S., 67 (1900), *Id.*

sphenarioides SCUDD., Proc. Bost. soc. nat. hist., xix, 84-85 (1877), *Fla.*; Ent. notes, vi, 25-26 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*—SCUDD., Proc. amer. acad. arts sc., xxxii, 206 (1897), *Gulf st.*; Rev. Mel., 399, 400, pl. 26, fig. 10 (1897), *Fla.*; Cat. Orth. U. S., 67 (1900), *Id.*

Apterygida

albipes BORM., Schultze, Tierreich, xi, 114 (1900), *Cuba.*

bimacula BORM., Schultze, Tierreich, xi, 111 (1900), *San Dgo., Porto Rico.*

californica BORM., Schultze, Tierreich, xi, 111 (1900), *Calif., Mex.*

exilis BORM., Schultze, Tierreich, xi, 111, fig. 40 (1900), *Tex.*

gravidula BORM., Schultze, Tierreich, xi, 117-118 (1900), *Asia, Polynesia, Afr., Amer.*

luteipennis BORM., Schultze, Tierreich, xi, 118-119 (1900), *N. Y. to Brazil, Antill.*

percheroni BORM., [-ron] Schultze, Tierreich, xi, 112-113 (1900), *French Guiana, Antill.*

ruficeps DOHRN, Stett. ent. zeit., xxiii, 231 (1862), *Mex.*

taeniata REHN, Trans. amer. ent. soc., xxvii, 85 (1900), *Mex.*—BORM., Schultze, Tierreich, xi, 110-111 (1900), *South. U. S. to Argent.*

Arachnomimus

cavicola SAUSS., [-nopsis on plate] Biol. centr. amer., Orth., 251, pl. 12, fig. 23 (1897), *Guat.*

Arachnopsis

cavicola. See *Arachnomimus cavicola.*

Archimandrita

deplanata SAUSS., Soc. ent., viii, 67 (1893).—SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 116, pl. 5, fig. 18 (1894), *Cuba.*

marmorata SAUSS., Soc. ent., viii, 67 (1893).—SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 116 (1894), *Guat., Costa Rica, Pan., Brazil, Antill.*—BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 49 (1900), *Costa Rica.*

Arcyptera

gracilis SCUDD., Can. nat., vii, 286 (1862), *Manit.*; Bost. journ. nat. hist., vii, 463-464 (1862), *Me.*, *Manit.* — SMITH, Proc. Portl. soc. nat. hist., i, 148 (1868), *Me.* — SCUDD., Hitchc., Rep. geol. N. H., i, 373, fig. 58 (1874), *N. H.*, ⁶*Mass.*, *Me.*, *Minn.*, *Manit.*; Rep. ent. soc. Ont., xxiii, 76, fig. 53 (1893).

lutea SCUDD., Bost. journ. nat. hist., vii, 462-463 (1862), *Mass.*; Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.*; Amer. nat., ii, 118, figs. 3, 3ab (1868), *Id.* — SMITH, [Acyp-] Rep. Conn. bd. agric., 1872, 381 (1872), *Conn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 373 (1874), *N. H.*, *Me.*, *Mass.*, *Manit.* — PROV., Faune ent. Can., ii, 44 (1877), *Can.* — CAULF., Can. rec. sc., ii, 400 (1887), *Quebec*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.* — MCNEILL, Psyche, vi, 66 (1891), *Ill.*, *Iowa.*

platyptera SCUDD., Bost. journ. nat. hist., vii, 463 (1862), *N. E.*

Arethaea

constricta BRUNN., Mon. Phaner., 236 (1878), *Tex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 321 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 67 (1900), *Id.*

conquetipes SCUDD., Can. ent., xxxii, 332 (1900), *Cal.*

gracilipes STÅL, Bith. sv. vet.-akad. handl., iv, no. 5, 55 (1876). — BRUNN., Mon. Phaner., 235 (1878), *Ariz.*, *Tex.* — BRUN., Bull. Washb. coll., i, 127 (1885), *Kans.*, *Col.* — SAUSS.-PICT., Biol. centr. amer., Orth., 320-321 (1897), *Tex.*, *Ariz.* — SCUDD., Cat. Orth. U. S., 67 (1900), *Kans.*, *Col.*, *Tex.*, *Ariz.*

multiramosa BRUNN., Mon. Phaner., 235 (1878), *Geo.*

phalangium SCUDD., Cat. Orth. U. S., 67 (1900), *Geo.*

Arnilia

chlorizans SCUDD., Proc. Bost. soc. nat. hist., xix, 88 (1877), *Fla.*; Ent. notes, vi, 29 (1878), *Id.*; Psyche, ii, 154 (1878), *Id.*; Cat. Orth. U. S., 46 (1900), *Id.*

cylindroides STÅL, Rec. Orth., i, 85 (1873), *Rio Janeiro*, *Car.* — SCUDD., Cat. Orth. U. S., 46 (1900), *Car.*

mexicana BOL., Mém. soc. zool. France, i, 146 (1888), *Cuba*, *Mex.*; Orth. Cuba, 31 (1888), *Id.* — GUNDL., Ent. cub., ii, 345 (1890), *Cuba.* — SCUDD., Cat. Orth. U. S., 46 (1900), *Cal.*

Arphia

arcta SCUDD., Bull. U. S. geol. surv. terr., ii, 263-264 (1876), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oedip., 69 (1884), *Id.* — LUGG., Orth. Minn., 143 (1898), *Minn.* — SCUDD., Cat. Orth. U. S. 29 (1900), *Col.*, *Minn.*

behrensi SAUSS., Prodr. Oedip., 71-72 (1884), *Cal.*, *Mex.* — SCUDD., Cat. Orth. U. S., 29 (1900), *Cal.*

carinata UHL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Col.* — SAUSS., Prodr. Oedip., 67 (1884), *Iowa, Nebr.* — BRUN., Bull. Washb. coll., i, 131 (1885), *Kans.* — MCNEILL, Psyche, vi, 62 (1891), *Ill.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — LUGG., Orth. Minn., 139-140 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 29 (1900), *West. Miss. valley.*

See also Arphia xanthoptera carinata.

conspersa SCUDD., Proc. Bost. soc. nat. hist., xvii, 514-515 (1875), *Tex.*; Ent. notes, iv, 88-89 (1875), *Id.*; Cent. Orth., 26-27 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oedip., 70 (1884), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 29 (1900), *Iowa to Texas.*

crepusculum SAUSS., Prodr. Oedip., 67 (1884), *Tex.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Id.*

cristata BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Id.*

fallax SAUSS., Prodr. Oedip., 69 (1884), *Guat.*

frigida SCUDD., Daws., Rep. geol. 49 par., 344 (1875), *Alaska*; Butt. Orth. Brit. N. A. bound. comm., 4 (1875), *Id.*; Rep. U. S. ent. comm., ii, App., 26, pl. 17, fig. 12 (1881), *Mont.* — BRUN., Ibid., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oedip., 68 (1884), *Alaska.* — CAULF., Rep. ent. soc. Ont., xvi, 70 (1888), *Id.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Alaska to Mont.* — HOLLI., Ent. news, xi, 383 (1900), *Alaska.*

See also Oedipoda (Arphia) frigida.

granulata SAUSS., Prodr. Oedip., 67 (1884), *Fla.* — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Fla., Nebr.*

infernalis SAUSS., Prodr. Oedip., 70 (1884), *Tex.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Id.*

luteola SCUDD., Proc. Bost. soc. nat. hist., xvii, 515-516 (1875), *Tex.*; Ent. notes, iv, 89-90 (1875), *Id.*; Bull. U. S. geol. surv. terr., ii, 263 (1876), *Col., Utah*; Cent. Orth., 27-28 (1879), *Tex.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oedip., 71 (1884), *Id.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Tex., Col., Utah.*

neglecta THOM., Proc. Dav. acad. sc., i, 254 (1876), *Col.*; Ann. rep. chief eng., 1878, 1844 (1878), *Id.*

nietana SAUSS., Prodr. Oedip., 70 (1884), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 96 (1900), *Id.*

ovaticeps SAUSS., Add. prodr. Oedip., 165-166 (1888), *Col.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Id.*

sanguinaria STÅL, Rec. Orth., i, 119-120 (1873), *Vanc.* — SAUSS., Prodr. Oedip., 68 (1884), *Vanc., Cala.* — CAULF., Rep. ent. soc. Ont., 70 (1888), *Regina.*

saussureana BRUN., Proc. U. S. nat. mus., xii, 63 (1890), *Cala.*

simplex SCUDD., Proc. Bost. soc. nat. hist., xvii, 514 (1875), *Tex.*; Ent. notes, iv, 88 (1875), *Id.*; Cent. Orth., 26 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oedip., 70-71 (1884), *Tex., Mex.* — BRUN., Bull. Washb. coll., i, 131 (1885), *Kans.*; *Ibid.*, i, 196 (1886), *Id.*; Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Nebr. to Tex.*

sordida OSB., Bull. div. ent. U. S. dep. agric., xxiii, 59 (1891).

sulphurea STÅL, Rec. Orth., i, 119 (1873), *N. J.* — SCUDD., Hitchc., Rep. geol. N. H., i, 377 (1874), *N. E. to Fla., Col. and Vanc.* — SAUSS., Prodr. Oedip., 71 (1884), *Geo., Fla., Cal., Mass.* — CAULF., Rep. ent. soc. Ont., xvii, 70 (1888), *Can.* — FERN., Ann. rep. Mass. agric. coll., xxv, 123 (1888), *N. E.*; Orth. N. E., 39 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *N. Y.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 77 (1891), *Ind.* — MCNEILL, Psyche, vi, 62 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 34 (1892), *N. J., Cape Cod.* — SCUDD., Rep. ent. soc. Ont., xxiii, 76 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.* — MORSE, Psyche, vii, 105 (1894), *N. E.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 296-297, pl. 8, fig. 10 (1894), *N. Y.* — BLATCHL., Can. ent., xxvi, 245 (1894), *Ind.*; Orth. Ind., 21 (1897), *Id.* — MORSE, Psyche, viii, 36, 51, pl. 2, fig. 17 (1897), *N. E.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 63 (1898), *Ind.* — LUGG., Orth. Minn., 136-138, figs. 78, 79 (1898), *Minn.* — WALK., Can. ent., xxx, 258 (1898), *Ont.* — MORSE, Psyche, viii, 322 (1899), *N. E.* — BRUN., Rep. Nebr. bd. agric., 1899, 246 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 30 (1900), *U. S. and Can. e. of Rocky Mts.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 157 (1900), *N. J.*

See also Oedipoda (Arphia) sulphurea.

tenebrosa SCUDD., Daws., Rep. geol. 49 par., 344 (1875), *Souris Riv.*; Butt. Orth. Brit. N. A. bound. comm., 4 (1875), *Id.* — SAUSS., Prodr. Oedip., 68-69 (1884), *Nebr., Col., N. Mex.* — BRUN., Can. ent., xvii, 12 (1885), *Wash.*; Bull. Washb. coll., i, 131 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Can.* — SAUSS., Add. prodr. Oedip., 165 (1888), *East. U. S., Cal., Vanc., Col., Wyo., Nebr., Kans., N. Mex.* — COCK., Ent., xxi, 301 (1888), *Col.* — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Victoria.* — MCNEILL, Psyche, vi, 62 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — TOWNS., Ins. life, vi, 30 (1893), *N. Mex.* — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Bull. div. ent. U. S. dep. agric., n. s. vii, 33 (1897), *Utah*; Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Nebr.* — LUGG., Orth. Minn., 140-142, figs. 81, 82 (1898), *Minn.* — BRUN., Rep. Nebr. bd. agric., 1899, 271 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 30 (1900), *U. S. and Can. w. Miss. Riv.*

See also Oedipoda (Arphia) tenebrosa.

teporata SCUDD., Ann. rep. chief eng., 1876, 508-509 (1876), *Col., N. Mex., Tex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 288-289 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Col., N. Mex.* — SAUSS., Prodr.

Oedip., 72 (1884), *Col.* — BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.* — TOWNS., Ins. life, vi, 30 (1893), *N. Mex.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 130 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 30 (1900), *Rocky Mt. region, Tex.*

trifasciata CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Alaska*.

xanthoptera SCUDD., Hitchc., Rep. geol. N. H., i, 377 (1874), *N. H. to Car., w. to Miss. Riv.* — SAUSS., Prodr. Oedip., 67 (1884), *Geo., N. Y.* — FERN., Ann. rep. Mass. agric. coll., xxv, 123 (1888), *N. E.*; Orth. N. E., 39 (1888), *Id.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 77 (1891), *Ind.* — SMITH, Bull. N. J. exp. st., xc, 34, pl. 1 (1892), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 297, pl. 8, fig. 11 (1894), *N. Y.* — MORSE, Psyche, vii, 105 (1894), *N. E.*; Journ. N. Y. ent. soc., iv, 19 (1896). — DAY., Proc. nat. sc. assoc. Stat. Is., v, 97 (1896), *N. Y.* — MORSE, Psyche, viii, 7, 36, 50-51, pl. 2, figs. 16, 16a (1897), *N. E.*, *Ill.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 130, fig. 29 (1897), *Nebr.*, — BLATCHL., Can. ent., xxx, 63 (1898), *Ind.* — LUGG., Orth. Minn., 138, 139, fig. 80 (1898), *Minn.* — MORSE, Psyche, viii, 318 (1899), *N. E.* — BRUN., Rep. Nebr. bd. agric., 1899, 271, fig. 62 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 31 (1900), *U. S. e. Gr. Plains exc. southernn. st.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J. 157 (1900), *N. J.*

xanthoptera carinata BLATCHL., Can. ent., xxiii, 78 (1891), *Ind.* — McNEILL, Psyche, vi, 62 (1891), *Ill.*

Arytropteris

steindachneri HERM., Verh. zool.-bot. gesellsch. Wien, xxiv, 204, pl. 6, figs. 98-102 (1874), *Puget Sound*.

Asemoplus

montanus SCUDD., Rep. ent. soc. Ont., xxvi, 65 (1896), *Mont., Wash.*; Proc. amer. acad. arts sc., xxxii, 206 (1897), *Northw. U. S.*; Rev. Mel., 394-396, pl. 26, fig. 7 (1897), *Mont., Wash.*; Proc. Dav. acad. nat. sc., vii, 205 (1899); Cat. Orth. U. S., 66 (1900), *Id.*

nudus WALK., Can. ent., xxx, 197-199, pl. 6 (1898), *Brit. Col., Alberta.* — SCUDD., Proc. Dav. acad. nat. sc., vii, 205 (1899), *Id.*; Cat. Orth. U. S., 66 (1900), *Id.*

Ateloplus

notatus SCUDD., Cat. Orth., U. S., 79, 98-99, pl. 2, fig. 3 (1900), *Cal.*

Atlanticus

dorsalis SCUDD., Can. ent., xxvi, 179, 180, 183 (1894), *Atl. st.* — BEUT., Bull. amer. mus. nat. hist., vi, 285, pl. 7, fig. 8 (1894), *N. Y.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., Cat. Orth. U. S., 75 (1900), *Atl. st.*, *Ind.*; Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 162 (1900), *N. J.*

gibbosus SCUDD., Can. ent., xxvi, 180 (1894), *N. C. to Fla.*; Cat. Orth. U. S., 75 (1900), *Id.*

pachymerus SCUDD., Can. ent., xxvi, 179, 180, 183 (1894), *Atl. st.* — BEUT., Bull. amer. mus. nat. hist., vi, 285, pl. 7, fig. 7 (1894), *N. Y.* — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Id.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — LUGG., Orth. Minn., 245-246, fig. 160 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 76 (1900), *U. S. e. of Gr. Plains*; Psyche, ix, 104 (1900) *N. E.* — SMITH, Ins. N. J., 162 (1900), *N. J.* — HENSH., Psyche, ix, 119 (1900), *Mass.*

Attophila

fungicola WHEEL., Amer. nat., xxxiv, 860-862, figs. 3-6 (1900), *Tex.*

Aulocara

caeruleipes SCUDD., Bull. U. S. geol. surv. terr., ii, 266-267 (1876), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*

decens SCUDD., Bull. U. S. geol. surv. terr., ii, 267 (1876), *Utah*; Rep. U. S. ent. comm., ii, App., 28 (1881), *Id.* — BRUN., Ibid.; iii, 57 (1883), *Id.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 129-130 (1897), *Id.*; Ibid., 1899, 246 (1899), *Id.*

elliotti BRUN., Can. ent., xvii, 10 (1885), *Wash.*; Bull. Washb. coll., i, 135^c (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — TOWNS., Ins. life, vi, 30 (1893), *N. Mex.*, *Ariz.* — SCUDD., Can. ent., xxix, 75 (1897). — BRUN., Rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 55, 56-57 (1899), *Col.*, *Tex.*, *N. Mex.*, *Ariz.*, *Utah*, *Cal.*, *Mex.* — BRUN., Rep. Nebr. bd. agric., 1899, 246 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 28 (1900), *Tex.*, *Col.* and *Wyo. to Pac.*

femoratum SCUDD., Proc. amer. acad. arts sc., xxxv, 54, 55-56 (1899), *Kans.*, *Col.*, *Utah*; Cat. Orth. U. S., 28 (1900), *Kans. to Utah.*

parallelum SCUDD., Proc. amer. acad. arts sc., xxxv, 55, 57 (1899), *Utah*; Cat. Orth. U. S., 29 (1900), *Id.*

rufum SCUDD., Proc. amer. acad. arts sc., xxxv, 54, 55 (1899), *Col.*; Cat. Orth. U. S., 29 (1900), *Id.*

scudderi BRUN., Proc. U. S. nat. mus., xii, 63-64 (1890), *Nebr.*, *Dak.*, *Col.*, *Wyo.*, *Mont.*, *Saskatchewan*, *Kans.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — TOWNS., Ins. life, vi, 30 (1893), *N. Mex.* — BLATCHL., Can. ent., xxvi, 217 (1894), *Ind.*

Autolyca

pallidicornis STÅL, Rec. Orth., iii, 95 (1875), *Guat.* — SCUDD., Psyche, i, 138 (1876).

Bacillus

carinatus SCUDD., Psyche, vi, 372 (1893), *Ariz., Mex.*; Can. ent., xxvii, 30 (1895), *Id.*; Cat. Orth. U. S., 15 (1900), *Ariz.*

coloradus SCUDD., Psyche, vi, 372 (1893), *Col.*; Can. ent., xxvii, 30 (1895), *Id.*; Cat. Orth. U. S., 15 (1900), *Id.*

Bacteria

aetolus WESTW., Cat. Orth., Phasm., 27, pl. 22, fig. 3 (1859), *Mex.*

antillarum SAUSS., Rev. mag. zool., (2), xx, 65 (1868), *Guadeloupe.*

arumatia GRAY, Syn. Phasm., 16 (1835), *W. I.* — WESTW., Cat. Orth., Phasm., 22, pl. 23, fig. 4 (1859), *W. I., Guadeloupe.* — GIR., *Traité ent.*, ii, 101 (1879), *Antill., Guiana.*

bicornis GRAY, Syn. Phasm., 16 (1835), *Ind. occ.* — BURM., Handb. ent., ii, 566 (1838), *W. I., Surinam.* — WESTW., Cat. Orth., Phasm., 23 (1859), *S. A., W. I.*

burkartii SAUSS., Rev. mag. zool., (2), xx, 65 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 151-152, pl. 3, fig. 6 (1872), *Id.*

calamus SERV., Ann. sc. nat., xx, 64 (1831), *Ajmer.* — GRAY, Syn. Phasm., 17 (1835), *Ind. occ.* — WESTW., Cat. Orth., Phasm., 20 (1859), *St. Croix, Surinam, Brazil.* — KIRB., Ann. mag. nat. hist., (6), iii, 501 (1839), *Santa Lucia.*

See also Phasma (Bacteria) calamus.

calcarata BURM., Handb. ent., ii, 566 (1838), *Mex.*

See also Phasma (Bacteria) calcaratum.

cornuta SAUSS., Rev. mag. zool., (2), xx, 65 (1868), *St. Thom.*

crudelis WESTW., Cat. Orth., Phasm., 24 (1859), *Ind. occ.*

cubensis WESTW., Cat. Orth., Phasm., 26 (1859), *Cuba.* — COCK., Jour. inst. Jan., i, 258 (1893), *Jam.*

See also Phasma (Bacteria) cubense.

cyphus BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 208 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 606 (1893), *Grenada, St. Vinc.*

dryas WESTW., Cat. Orth., Phasm., 27 (1859), *St. Dom.*

femorata. *See* Phasma (Bacteria) femoratum.

ferula SERV., Ann. sc. nat., xxii, 64 (1831), *Guadeloupe.* — BURM., Handb. ent., ii, 564 (1838), *W. I.*

filiformis GRAY, Syn. Phasm., 17 (1835), *Ind. occ.* — WESTW., Cat. Orth., Phasm., 22 (1859), *Id.* — GIR., *Traité ent.*, ii, 102 (1879), *Id.*

haita WESTW., Cat. Orth., Phasm., 25, pl. 25, figs. 5, 6 (1859), *St. Dom.*

linearis GRAY, Syn. Phasm., 17 (1835), *Ind. occ.* — WESTW., *Drury, Ins.,*

i, 123, pl. 2, fig. 3 (1837), *Antigua*. — BURM., Handb. ent., ii, 567 (1838), *W. I., Porto Rico, St. Thom.* — GÉR., Sagra, Hist. nat. Cuba, 350 (1857), *Antill.* — GOSSE, Lett. Alab., 275 (1859), *Ala.* — WESTW., Cat. Orth., Phasm., 24 (1859), *Ind. occ., Antigua*. — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 208 (1892), *St. Vinc.*

See also Phasma (Bacteria) lineare.

mexicana WESTW., Cat. Orth., Phasm., 25 (1859), *Mex.* — SAUSS., Rev. mag. zool., (2), xx, 357 (1868), *Id.*; Miss. scient. Mex., Rech. zool., vi, 152-154, pl. 3, figs. 10, 11, 11a (1872), *Id.* — STÅL, Rec. Orth., iii, 77 (1875).

See also Phasma (Bacteria) mexicanum.

sayi CHARP., Orth. descr., pl. 6 (1841-1845), *Amer. sept.*

simplicitarsis COCK., Journ. inst. Jam., i, 258 (1893), *Jam.*

spinosa BURM., Handb. ent., ii, 567 (1838), *St. Dom.*

See also Phasma (Bacteria) spinosum.

striata BURM., Handb. ent., ii, 567 (1838), *Mex.* — WESTW., Cat. Orth., Phasm., 28 (1859), *Id.* — STÅL, Rec. Orth., iii, 77 (1875).

See also Phasma (Bacteria) striatum.

tridens BURM., Handb. ent., ii, 567 (1838), *Mex.* — WESTW., Cat. Orth., Phasm., 27 (1859), *Id.* — REHN, Trans. amer. ent. soc., xxvii, 87 (1900), *Id.*

See also Phasma (Bacteria) tridens.

yerriniana SAUSS., Rev. mag. zool., (2), xx, 65 (1868), *Porto Rico*.

Bacteria (Bacunculus)

azteca SAUSS., Rev. mag. zool., 1859, 62 (1859), *Mex.*; Orth. nov. amer., i, 3 (1859), *Id.*; Miss. scient. Mex., Rech. zool., vi, 155, pl. 3, figs. 9, 9a (1872), *Id.*

cornuta SAUSS., Rev. mag. zool., 1861, 128 (1861), *Mex.*; Orth. nov. amer., ii, 3 (1861), *Id.*

olmeca SAUSS., Miss. scient. Mex., Rech. zool., vi, 156-157 (1872), *Mex.*

sayi BURM., Handb. ent., ii, 566 (1838), *Penn. to S. C.*

striata SAUSS., Miss. scient. Mex., Rech. zool., vi, 156, pl. 3, figs. 7, 8, 8a (1872), *Mex.*

***tolteca** SAUSS., Rev. mag. zool., 1859, 62 (1859), *Mex.*; Orth. nov. amer., i, 3 (1859), *Id.*

tridens SAUSS., Miss. scient. Mex., Rech. zool., vi, 157 (1872), *Mex.*

Bacteria (Pseudobacteria)

antillarum SAUSS., Miss. scient. Mex., Rech. zool., vi, 157-158 (1872), *Guadeloupe*.

cornuta SAUSS., Miss. scient. Mex., Rech. zool., vi, 161, pl. 4, figs. 14, 14a (1872), *Less, Antill.* [Expl. of plates refers these figures to *spinigera*, but no such species is given in text.]

cubensis SAUSS., Miss. scient. Mex., Rech. zool., vi, 159 (1872), *Cuba*.

spinigera. *See* Bacteria (Pseudobacteria) cornuta.

yersiniana SAUSS., Miss. scient. Mex., Rech. zool., vi, 158-159 (1872), *Antill., Porto Rico.*

Bactridium

aetolus. *See* Phibalosoma (Bactridium) aetolus.

Bactromantis

virga SCUDD., Can. ent., xxviii, 213, 215 (1896), *Fla.*; Cat. Orth. U. S., 13 (1900), *Id.*

Bacunculus

aztecus. *See* Bacteria (Bacunculus) azteca.

cornutus. *See* Bacteria (Bacunculus) cornuta.

cubensis BOL., Mém. soc. zool. France, i, 139 (1888), *Cuba*; Orth. Cuba, 24 (1888), *Id.* — GUNDL., Ent. cub., ii, 328-330 (1890), *Id.*

dryas BOL., Mém. soc. zool. France, i, 139 (1888), *Cuba, St. Dom.*; Orth. Cuba, 24 (1888), *Id.* — GUNDL., Ent. cub., ii, 330 (1890), *Cuba.*

femoratus UHL., Harr., Ins. inj. veg., 3 ed., 146-147 (1862), *U. S. e. of Miss. Riv.*

haita KIRK., Ann. mag. nat. hist., (6), iii, 501 (1889), *Santa Lucia.*

linearis BOL., Mém. soc. zool. France, i, 139 (1888), *Cuba*; Orth. Cuba, 24 (1888), *Id.* — GUNDL., Ent. cub., ii, 330-331 (1890), *Id.*

olmecus. *See* Bacteria (Bacunculus) olmeca.

sayi THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Ill.*

See also Bacteria (Bacunculus) sayi.

striatus. *See* Bacteria (Bacunculus) striata.

tenuescens SCUDD., Cat. Orth. U. S., 14, 95, pl. 1, figs. 1, 2 (1900), *Fla.*

toltecus. *See* Bacteria (Bacunculus) tolteca.

tridens. *See* Bacteria (Bacunculus) tridens.

Barytettix

crassus SCUDD., Rev. Mel., 27, 28, pl. 2, fig. 10 (1897), *Lower Cala.*

peninsulae SCUDD., Rev. Mel., 27, 28-29 (1897), *Lower Cala.*

Batrachidea

carinata SCUDD., Bost. journ. nat. hist., vii, 479 (1862), *Mass.* — THOM., Rep. U. S. geol. surv. terr., v, 190 (1873), *Id.* — PROV., Nat. can., viii, 139 (1876), *Can.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Mass.* — FERN., Ann. rep. Mass. agric. coll., xxv, 132, 133 (1888), *N. E.*; Orth. N. E., 48, 49 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *N. Y.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — BLATCHL., Can. ent., xxiv, 33 (1892), *Ind.* — MORSE, Psyche, vii, 54 (1894).

See also Batrachidea cfistata carinata.

cristata SCUDD., Bost. journ. nat. hist., vii, 478-479 (1862), *Mass., Me., N. H., Conn.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — PACK., Guide ins., 572 (1869), *All. states, etc.* — SMITH, Rep. Conn. bd. agric., 1872, 277, 383 (1872), *N. E.* — GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 8 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 190 (1873), *N. E.* — SCUDD., Hitchc., Rep. geol. N. H., i, 379 (1874), *N. H., Me., mid. st.* — PROV., Nat. can., viii, 139 (1876), *Can.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 90 (1877), *Fla.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.* — SCUDD., Ent. notes, vi, 31 (1878), *Fla.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Fla., Mass.* — RIL., Stand. nat. hist., ii, 193 (1884), *east. U. S.* — CAULF., Can. rec. sc., ii, 402 (1887), *Toronto*; Can. Orth., 14 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 132 (1888), *N. E.*; Orth. N. E., 48 (1888); *Id.* — DAV., Ent. amer., v, 81 (1889), *N. Y.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 100 (1891), *Ind.* — MORSE, Psyche, vii, 54, 107 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 311, pl. 10, fig. 9 (1894), *N. Y.* — ASHM., Ins. life, vii, 26 (1894), *Miss.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — HARV.-KNIGHT, Psyche, viii, 78 (1897), *Me.*

cristata carinata MORSE, Psyche, vii, 107 (1894), *N. E.*

tolteca THOM., Rep. U. S. geol. surv. terr., v, 244 (1873), *Mex.*

Belocephalus

cubapterus SCUDD., Proc. Bost. soc. nat. hist., xvii, 450 (1875), *Fla.*; Ent. notes, iv, 62 (1875), *Id.*; Proc. Bost. soc. nat. hist., xix, 83 (1877), *Id.*; Ent. notes, vi, 24 (1878), *Id.*; Cent. Orth., 12 (1879), *Id.* — REPT., Verh. zool.-bot. ges. Wien, 1891, 353-354 (1891), *Id.* — SCUDD., Cat. Orth. U. S., 71 (1900), *Id.*

Biolleya

alaris SAUSS., Anal. inst. fis. geogr. nac. Costa Rica, vii, 137 (1897), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 48-49, pl. (1900), *Id.*

Blabera

americana UHL., Heilpr., Berm. Isl., 156 (1889), *Bermuda.*

atropos SERV., Orth., 77 (1839), *St. Dom.* — SAUSS., Orth. Amér. moy., 233 (1864), *Antill., Cuba, Mex.* — BRUNN., Blatt., 375, pl. 12, fig. 55 (1865), *Jam., Venez., Colomb., Brésil.* — WALK., Cat. Blatt. Brit. mus., 2 (1868), *Cuba, Hond.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 114 (1870), *Antill., Mex., S. A.* — GIR., Traité ent., ii, 64 (1879), *Antill., Venez., Colomb.* — BOL., Mém. soc. zool. France, i, 133 (1888), *Cuba*; Orth. Cuba, 18 (1888), *Id.* — GUNDL., Ent. cub., ii, 318-319 (1890), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 118 (1894), *Mex., S. A., Cuba.*

See also *Blatta* (*Blabera*) *atropos*.

brunneri SAUSS., Miss. scient. Mex., Rech. zool., vi, 117-118 (1870), *Antill.*; Mém. soc. phys. hist. nat. Gen., xxiii, 144-145 (1872), *St. Vinc., Porto Rico*; Mél. Orth., ii, pt. 4, 144-145 (1872), *Id.*

craniipes BURM., Handb. ent., ii, 316 (1838), *Cuba*.

cubensis SAUSS., Rev. mag. zool., 1864, 347 (1864), *Cuba*; Blatt. nov., 29 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 2 (1868), *Id.* — SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 284 (1869), *Id.*; Mél. orth., i, 104 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 114 (1870), *Id.* — BOL., Mém. soc. zool. France, i, 133 (1888), *Id.*; Orth. Cuba, 18 (1888), *Id.* — GUNDL., Ent. cub., ii, 319-320 (1890), *Id.*

deplanata SAUSS., Rev. mag. zool., 1864, 348 (1864), *Antill.*; Blatt. nov., 30 (1864), *Id.*; Orth. Amér. moy., 250 (1864), *Id., Cuba*. — WALK., Cat. Blatt. Brit. mus., 10 (1868), *Cuba*. — SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 284 (1869), *Id.*; Mél. Orth., i, 104 (1869), *Id.* — BOL., Mém. soc. zool. France, i, 134 (1888), *Id.*; Orth. Cuba, 19 (1888), *Id.* — GUNDL., Ent. cub., ii, 321, 385 (1890), *Id.*

discoidalis SERV., Orth., 76, pl. 1, fig. 6 (1839), *St. Dom.* — WALK., Cat. Blatt. Brit. mus., 10 (1868), *Id.*

ferruginea SAUSS., Orth. Amér. moy., 41 (1864), *Mex.* — BRUNN., Blatt., 377 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 3 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 116 (1870), *Id.*

fraterna SAUSS., Orth. Amér. moy., 241 (1864), *S. A., Cuba*. — WALK., Cat. Blatt. Brit. mus., 3 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 116 (1870), *Antill., S. A.*

fumigata SAUSS., Orth. Amér. moy., 244 (1864), *Cuba*. — BRUNN., Blatt., 381 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 9 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 117 (1870), *Id.* — BOL., Mém. soc. zool. France, i, 133-134 (1888), *Id.*; Orth. Cuba, 18-19 (1888), *Id.* — GUNDL., Ent. cub., ii, 320 (1890), *Id.*

fusca BRUNN., Blatt., 376 (1865), *Brésil, Chile, Cuba*. — WALK., Cat. Derm. salt. Brit. mus., i, 119 (1869), *Cuba, Chile*. — THER., Berl. ent. zeitschr., xlv, 254 (1900), *Columbia, Cuba, Chile*.

gigantea FISCH., Orth. eur., 118 (1853), *ex Ind. occid. in Angliam advecta*.

See also Blatta (Blabera) gigantea.

limbata BURM., Handb. ent., ii, 316 (1838), *Mex.* — BRUN., Proc. U. S. nat. mus., xii, 188 (1890), *Pun.*

luctuosa STÅL, Ofv. vet. akad. förh., 1855, 351 (1855), *Mex.*

naderae SELLS, Trans. ent. soc. Lond., iii, 104 (1842), *Jam.*

narmorata BRUNN., Blatt., 378 (1865), *St. Dom.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 118 (1870), *Antill., Brazil*. — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 3 (1871), *Nicar.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 60, pl. 2, fig. 1 (1895), *Id.*

mexicana SAUSS., Rev. mag. zool., 1862, 233 (1862), *Mex.*; Orth. nov. amer., iii, 17 (1862), *Id.*; Orth. Amér. moy., 234 (1864), *Mex., La.* — WALK., Cat. Blatt. Brit. mus., 2 (1868), *Id.*

minor SAUSS., Orth. Amér. moy., 238 (1864), *S. A., Brazil, Cuba.*—WALK., Cat. Blatt. Brit. mus., 2 (1868), *Id.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 115 (1870), *Brazil, Argent., Cuba.*

quadrifera WALK., Cat. Blatt. Brit. mus., 3-4 (1868), *Mex.*

rufescens SAUSS.-ZEHTN., Biol. centr. amer., Orth., 119, pl. 5, fig. 22 (1894), *Cuba.*

subspurcata WALK., Cat. Blatt. Brit. mus., 4-5 (1868), *St. Dom., Brazil.*

sulzeri GERST., Arch. nat., xxiv, pt. 2, 348 (1857), *Cuba.*—SAUSS., Orth. Amér. moy., 239, pl. 2, fig. 39 (1864), *Id.*—BRUNN., Blatt., 380 (1865), *Surinam, Cuba.*—WALK., Cat. Blatt. Brit. mus., 2 (1868), *Cuba.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 115 (1870), *Id.*—BOL., Mém. soc. zool. France, i, 133 (1888), *Id.*; Orth. Cuba, 18 (1888), *Id.*—GUNDL., Ent. cub., ii, 319 (1890), *Id.*

See also Blatta (Blabera) sulzeri.

thoraciça SAUSS.-ZEHTN., Biol. centr. amer., Orth., 120, pl. 5, fig. 25 (1894), *Pan., Colomb.*

thunbergi SAUSS., Orth. Amér. moy., 246 (1864), *Cuba.*—WALK., Cat. Blatt. Brit. mus., 9 (1868), *Id.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 117 (1870), *Id.*—BOL., Mém. soc. zool. France, i, 134 (1888), *Id.*; Orth. Cuba, 19 (1888), *Id.*—GUNDL., Ent. cub., ii, 320-321 (1890), *Id.*

trapezoidea BURM., Handb. ent., ii, 316 (1838), *Mex.*—SAUSS., Orth. Amér. moy., 240 (1864), *Id.*—BRUNN., Blatt., 374 (1865), *Mex., Cuba.*—WALK., Cat. Blatt. Brit. mus., 3 (1868), *Mex.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 114 (1870), *Mex., Cuba.*—BOL., Mém. soc. zool. France, i, 132-133 (1888), *Cuba*; Orth. Cuba, 17-18 (1888), *Id.*—GUNDL., Ent. cub., ii, 318 (1890), *Id.*—SAUSS.-ZEHTN., Biol. centr. amer., Orth., 118-119, pl. 5, figs. 26-31 (1894), *Mex., Brit. Hond., Guat., Costa Rica, Guiana, Ecuador, Brazil, Peru, Cuba.*—BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 49 (1900), *Costa Rica.*

varians SERV., Orth., 78 (1838), *Cuba.*

Blatta

accolhua SAUSS., Rev. mag. zool., (2), xx, 99 (1868), *Mex.*—WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 20 (1871), *Id.*—SAUSS.-ZEHTN., Biol. centr. amer., Orth., 45 (1893), *Id.*

adspersicollis BOL., Anal. soc. esp. hist. nat., x, 466 (1881), *Mex., Rio, Ecuador*; Not. ent., 20 (1881), *Id.*; Mém. soc. zool. France, i, 123 (1888), *Cuba*; Orth. Cuba, 8 (1888), *Id.*—GUNDL., Ent. cub., ii, 302 (1890), *Id.*

aegyptiaca DRURY, Illustr. nat. hist., ii, 67, pl. 36, fig. 3 (1773), *Jam.*

alaris SAUSS.-ZEHTN., Biol. centr. amer., Orth., 43-44 (1893), *Mex.*

alcarazzas SERV., Orth., 90 (1838), *Amer.*

americana MORT., Phil. trans., xlv, 163 (1748), *Car.*—LINN., Syst. nat., 10 ed., 1, 434 (1758), *Amer.*; 12 ed., ii, 687 (1767), *Id.*; 13 ed., i, 687 (1767), *Id.*—MÜLL., Linn. natursyst., v, 403 (1774), *W. I.*—FABR., Syst. ent., 271 (1775), *Amer.*—GORZE, Ent. beytr., ii, 7 (1778), *Id.*—FABR., Spec. ins., i,

342 (1781), *Id.* — GMEL., Linn., Syst. nat., iv, 2042 (1789), *Id.* — BROWNE, Nat. hist. Jam., 433 (*Blatta* 2), Index, 3, 4 (1789), *Id.* — VILL., Linn., Ent. faun. suec., i, 428 (1789), *Amer.*, Gall. austr. — FABR., Ent. syst., ii, 7 (1793), *Amer.* — TURT., Syst. nat. Linn., ii, 528 (1800), *Id.* — LATR., Cuv., Anim. kingd., ed. McMurtrie, iv, 7 (1831), *Id.* — LAM., Hist. nat. anim. sans vert., iv, 263 (1817), *Id.* — LATR., Cuv., Règne anim., iii, 371 (1817), *Id.* — BILB., Enum. ins., 63 (1820), *Id.* — SERV., Dict. class. hist. nat., ii, 342 (1822), *Amer.*, *Antill.*, *Afr.*, *Asia.* — LATR., Cuv., Règne anim., v, 175 (1829), *Amer.* — PERTY, De ins., Del. anim. art., 19 (1830-1834), *Ind. occ.* — AUD.-BRULLÉ, Hist. nat. ins., ix, 53 (1835), *Deux cont.* — HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.* — LAM., Hist. nat. anim. sans vert., 2 ed., iv, 462 (1835), *Amer.*, *Eur.* — WILS., Treat. ins., 190 (1835), *S. A.*, *Antill.*, *Asia*, *Afr.*, *Eur.* — OKEN, Allg. naturg., v, C., 1506 (1836), *Amer.* — LHERM., Ann. soc. ent. France, (1), vi, 506 (1837), *Guadeloupe.* — LAM., Hist. nat. anim. sans vert., 3 ed., ii, 159 (1839), *Amer.*, *Eur.* — LATR., Cuv., Règne anim., ed. disc., Ins., ii, 10, pl. 77 figs. 4, 4a-4f. (1849), *Amer.* — WILS., Encycl. brit., 8 ed. (Amer.), ix, 156 (1855), *S. A.*, *Antill.*, etc. — JONES, Nat. Berm., 110 (1859), *Bermuda.* — RATHV., Rep. U. S. dep. agric., 1862, 374-375, pl., fig. 4 (1862). — WALSH, Pract. ent., i, 218 (1866), *Amer.*, *Engl.*, *Mauritius.*

augustata LATR., Humb.-Bonpl., Rec. obs. zool., i, 146, pl. 15, fig. 9 (1811-1832), *Vera Cruz.* — ZINCK., Germ. mag. ent., i, pt. 2, 109 (1815), *Id.* — PERTY, De ins., Del. anim. art., 19 (1830-1834), *Id.*

azteca SAUSS.-ZEHTN., Biol. centr. amer., Orth., 49 (1893), *Mex.*

bicolor PALIS., Ins. Afr. Amér., pl. 1b, fig. 6 (1818), *St. Dom.* — HARR., Hitchc., Rep. Geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

bivittata SAUSS., Orth. Amér. moy., 102 (1864), *Ceylon*, *Mex.*, *Cuba.* — WALK., Cat. Blatt. Brit. mus., 88 (1868), *Cuba*, etc. — BOL., Mém. soc. zool. France, i, 123 (1888), *Cuba*, *Brazil*, *Ceylon*; Orth. Cuba, 8 (1888), *Id.* — GUNDEL., Orth. cub., ii, 301 (1890), *Cuba.* — COCK., Journ. inst. Jam., i, 258 (1893), *Jam.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

borealis SAUSS., Rev. mag. zool., 1862, 166 (1862), *Amer. bor.*; Orth. nov. amer., iii, 4 (1862), *Id.*; Orth. Amér. moy., 96, pl. 1, fig. 13 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 86 (1868), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.*

brasiliensis LHERM., Ann. soc. ent. France, (1), vi, 506 (1837), *Guadeloupe.*

brunneriana SAUSS., Rev. mag. zool., (2), xx, 98-99 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 19 (1871), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 49 (1893), *Id.*

buprestoides SAUSS., Rev. mag. zool., 1862, 166 (1862), *Cuba*; Orth. nov. amer., iii, 5 (1862), *Id.*; Orth. Amér. moy., 116, pl. 1, fig. 20 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 93 (1868), *Id.*

capitata SAUSS., Rev. mag. zool., 1862, 167 (1862), *Cuba*; Orth. nov. amer. iii, 5 (1862), *Id.*; Orth. Amér. moy., 114, pl. 1, fig. 19 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 93 (1868), *Id.*

chichimeca SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 46, pl. 4, fig. 22 (1893), *Mex.*

cincta FABR., Mant. ins., i, 226 (1787), *Amer.* — OLIV., Encycl. méth., iv, 318 (1789), *Id.* — GMEI., Linn., Syst. nat., iv, 2044 (1789), *Id.* — FABR., Ent. syst., ii, 9 (1793), *Id.*; Nom. ent. emend., 78 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 529 (1806), *Id.* — BILLB., Enum. ins., 163 (1820), *Id.*

conspersa SERV., Orth., 89 (1839), *Cuba.*

cubensis SAUSS., Rev. mag. zool., 1862, 165 (1862), *Cuba*; Orth. nov. amer., iii, 4 (1862), *Id.* — WALK., Cat. Blatt. Brit. mus., 90 (1868), *Id.*; Cat. Derm. salt. Brit. mus., i, 139 (1869), *St. Dom.*

delicatula SAUSS., Orth. Amér. moy., 104, pl. 1, fig. 17 (1864), *Cuba.* — WALK., Cat. Blatt. Brit. mus., 88 (1868), *Jam., Cuba.* — BOL., Mém. soc. zool. France, i, 123 (1888), *Cuba, Mex.*; Orth. Cuba, 8 (1888), *Id.* — GUNDL., Ent. cub., ii, 301-302 (1890), *Cuba, Porto Rico.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 49 (1893), *Mex., Cuba.*

detersa WALK., Cat. Blatt. Brit. mus., 215 (1868), *Jam.*

disphana FABR., Ent. syst., ii, 11 (1793), *Amer. merid. ins.* — BURM., Handb. ent., ii, 496 (1838), *St. Thom.* — WALK., Cat. Blatt. Brit. mus., 86 (1868), *Id.*

dilatata SAUSS., Rev. mag. zool., (2), xx, 98 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 20 (1871), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 44 (1893), *Id.*

discicollis BURM., Handb. ent., ii, 498, 1012 (1838), *Mex.* — WALK., Cat. Blatt. Brit. mus., 92 (1868), *Id.*

domingensis PALIS., Ins. Afr. Amér., 182, pl. 1b, fig. 4 (1818), *St. Dom.* — HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

elongata PALIS., Ins. Afr. Amér., 183, pl. 1b, fig. 5 (1818), *St. Dom.*

flavocincta FERN., Ann. rep. Mass. agric. coll., xxv, 135 (1888), *N. E.*; Orth. N. E., 51 (1888), *Id.*

fraterna SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 50 (1893), *Nicar.*

fumigata GUÉR., Sagra, Hist. nat. Cuba, 335, pl. 12, fig. 4 (1857), *Cuba.*

germanica AUD.-BRULLÉ, Hist. nat. ins., ix, 55 (1835), *Monde.* — GERST., Handb. zool., ii, 44 (1863), *Alle welttheile.* — WALK., Cat. Blatt. Brit. mus., 88 (1868), *Penn., Oajaca, etc.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 28 (1870), *Antill., Mex., etc.* — GIR., Traité ent., ii, 51 (1879), *Mex., Antill., N. A., etc.* — BOL., Mém. soc. zool. France, i, 122-123 (1888), *Cuba, Antill., Mex., Brazil*; Orth. Cuba, 7-8 (1888), *Id.* — COMST., Intr. ent., 93, fig. 8 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 134-135, fig. 20 (1888), *N. E.*; Orth. N. E., 50-51, fig. 20 (1888), *Id.* — GUNDL., Ent. cub., ii, 300-301 (1890), *Cuba.* — McNEILL, Psyche, vi, 78 (1891), *Ill.* — KELL., Inj. ins. Kans., 108, fig. 59 (1892), *Kans.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 48 (1893), *Mex.*

Centr. Amer. — GARM., Orth. Ky., 10 (1894), *Ky.* — LUGG., Orth. Minn., 90-91, fig. 53 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 8 (1900), *Everywhere.* — FOGG, Proc. Manch. inst. arts sc., i, 42 (1900), *N. H.* — SCUDD., Psyche, ix, 100 (1900), *N. E.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

gigantea LINN., Syst. nat., 10 ed., i, 424 (1758), *Amer.*; Mus. Lud. Ulr. Reg., 106 (1763), *Id.*; Syst. nat., 12 ed., ii, 687 (1767), *Amer., Asia.* — DRURY, Illustr. nat. hist., ii, 66, pl. 36, fig. 2 (1773), *Jam.* — MÜLL., Linn. natursyst., v, 402 (1774), *Amer., Asia.* — FABR., Syst. ent., 271 (1775), *Id.* — ZSCHACH, Mus. Lesk., 46 (1788), *Amer.* — GMEL., Linn., Syst. nat., 13 ed., iv, 2041 (1789), *Amer., Asia.* — FABR., Ent. syst., ii, 6 (1793), *Id.*; Nom. ent. emend., 78 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 527 (1806), *Id.* — KIRB.-SPENCE, Intr. ent., 3 ed., i, 243 (1818-1826), *Asia, Afr., Amer.* — LHERM., Ann. soc. ent. France, (i), vi, 506 (1837), *Guadeloupe.* — WESTW., Intr. class. ins., i, 418 (1839), *W. I.* — KIRB.-SPENCE, Intr. ent., 7 ed., 140 (1856), *Asia, Afr., Amer.*

guttata THUNB., Vet. akad. nya handl., xxxi, 188 (1810), *Ins. Barthol.*

incisa WALK., Cat. Blatt. Brit. mus., 109-110 (1868), *St. Dom., Mauritius.*

indica PALIS., Ins. Afr. Amér., 227, pl. 2c, fig. 2 (1818-1821), *St. Dom., E. Indies.* — SERV., Ann. sc. nat., xxii, 40 (1831), *Indes.*

insularis WALK., Cat. Blatt. Brit. mus., 101 (1868), *Jam.*

intercepta BURM., Handb. ent., ii, 497 (1838), *Mex.* — WALK., Cat. Blatt. Brit. mus., 92 (1868), *Id.*

kakkerlac PALIS., Ins. Afr. Amér., 181, pl. 1b, fig. 1 (1818), *Afr., îles de l'Amér.*

laevigata PALIS., Ins. Afr. Amér., 228, pl. 2c, fig. 4 (1818-1821), *St. Dom.* — SERV., Orth., 98 (1839), *Cuba, Martinique.* — SAUSS., Orth. Amér. moy., 99, pl. 1, fig. 16 (1864), *Cuba, Martinique, St. Dom.* — WALK., Cat. Blatt. Brit. mus., 87 (1868), *W. I.*

latimargo WALK., [-marco] Cat. Blatt. Brit. mus., 97-98 (1868), *Hong Kong, Hond.*

lineolata DALM., Anal. ent., 27 (1823), *Amer. ins.*

litorifera WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 21 (1871), *West coast N. A.*

livida FABR., Spec. ins., i, 341 (1781), *Amer., Asia.*

madarensia. See *Blatta maderae*.

maderae OLIV., Encycl. méth., iv, 314 (1789), *Madère, Antill., Amér. mérid.* — HAHN., Icon. Orth., pl. A, gen. Blatta, fig. 1 (1836), *Madera, Ins. St. Barthol.* — SERV., Orth. 87 (1839), *Madère, île de France, St. Dom.* — BLANCH., Hist. nat. ins., iii, 5 (1840), *Afr. Amér., Ind. or.* — JONES, [madarensia] Nat. Berm., 110 (1859), *Bermuda.*

major PALIS., Ins. Afr. Amér., 182, pl. 1b, fig. 2 (1818), *Afr., îles de l'Amér.*

maya SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 45 (1893), *Mex.*

mexicana SAUSS., Rev. mag. zool., 1864, 311 (1864), *Mex.*; Blatt. nov. spec., 7 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 80 (1868), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 46 (1893), *Id.*

mysteca SAUSS., Rev. mag. zool., 1802, 167 (1862), *Mex.*; Orth. nov. amer., iii, 6 (1802), *Id.* — WALK., Cat. Blatt. Brit. mus., 91 (1868), *Id.*; Cat. Derm. salt. Brit. mus., i, 139 (1869), *Id.*

nahua SAUSS., Rev. mag. zool., (2), xx, 355 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 20 (1871), *Id.* — SAUSS.-ZEHNTN., Blok centr. amer., Orth., 48-49, pl. 4, figs. 19-21 (1893), *Id.*

nivea LINN., Syst. nat., 10 ed., i, 434 (1758), *Amer.*; 12 ed., ii, 688 (1767), *Id.*; 13 ed., i, 688 (1767), *Id.* — DRURY, Illustr. nat. hist., ii, 66, pl. 36, fig. 1 (1773), *N. Y.* — FABR., Syst. ent., 272 (1775), *Amer.* — GOEZE, Ent. beytr., ii, 8 (1778), *Id.* — HERBST, Fuessly, Arch. ins., 1786, 185, pl. 49, fig. 8 (1786), *Id.* — OLIV., Encycl. méth., iv, 316, pl. 125, fig. 4 (1789), *Cayenne, Surinam, Antill.* — BROWNE, Nat. hist. Jam., 431 (Cassida, 2), Index, 3, 4, pl. 43, fig. 13 (1789), *Jam.* — FABR., Ent. syst., ii, 8 (1793), *Amer. ins.*; Nom. ent. emend., 78 (1797, 1810), *Amer.* — LHERM., Ann. soc. ent. France, (1), vi, 506 (1837), *Guadeloupe.* — WESTW., Drury, Ins., ii, 70, pl. 36, fig. 1 (1837-1842), *N. Y., Amer. ins.* — EMM., Agric. N. Y., v, 141, pl. 46, fig. 7 (1854), *N. Y.*

oblongata LINN., Syst. nat., 10 ed., i, 435 (1758), *Amer.*; 12 ed., i, 689 (1767), *Id.* — GOEZE, Ent. beytr., ii, 63 (1778), *Id.*

occidentalis FABR., Mant. ins., i, 225 (1787), *Amer.* — GMEL., Linn., Syst. nat., 13 ed., iv, 2041 (1789), *Id.* — OLIV., Encycl. méth., iv, 314 (1789), *Id.* — FABR., Ent. syst., ii, 7 (1793), *Amer. ins.*; Nom. ent. emend., 78 (1797, 1810), *Amer.* — TURT., Syst. nat. Linn., ii, 527 (1806), *Amer. isl.* — WALK., Cat. Blatt. Brit. mus., 93 (1868), *W. I.*

orientalis LINN., Syst. nat., 10 ed., i, 434 (1758), *Amer., Orient.* — SULZ., Kennz. ins., 78, Erkl., 16, pl. 7, fig. 47 (1761), *Amer., Turkei, Russland.* — LINN., Syst. nat., 12 ed., ii, 688 (1767), *Amer., Orient., Russia*; 13 ed., i, 688 (1767), *Id.* — MÜLL., Linn. natursyst., v, 404 (1774), *aus Amer. nach Asien.* — FABR., Syst. ent., 272 (1775), *Id.*; Spec. ins., i, 343 (1781), *Id.* — GMEL., Linn., Syst. nat., 13 ed., iv, 2043 (1789), *Amer.*; *hospitatur in Oriente et Europa, a 200 inde annis in Bohemia, a 1739 in Belgio et antea in Finlandia et Russia.* — VILL., Linn., Ent. faun. suec., i, 429 (1789), *Id.* — ROEM., Gen. ins., 12, pl. 8, fig. 2 (1789), *Amer.*; *hosp. in Oriente.* — FABR., Ent. syst., ii, 9 (1793), *Id.* — TURT., Syst. nat. Linn., ii, 529 (1806), *Id.* — LATR., Gen. crust. ins., iii, 83 (1807), *Europa, Amer. bor.* — LEACH, New Edinb. encycl., Amer. ed., viii, 709 (1816), *N. A., Eur.* — LAM., Hist. nat. anim. sans vert., iv, 263 (1817), *Levant, Eur., Amer. sept.* — LATR., Cuv., Règne anim., iii, 371 (1817), *Russia, etc.* — PALIS., Ins. Afr. Amér., 228, pl. 2c, fig. 3 (1818-1821), *Monde.* — LATR., Cuv., Règne anim., v, 175 (1829), *Id.* — LEACH, New Edinb. encycl., ix, 120 (1830), *N. A., Eur.* — HARR., Hitchc., Rep. geol. Mass.; 582 (1833), *Mass.*; 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.* — LAM., Hist. nat. anim. sans vert., 2 ed., iv, 463 (1835), *Levant, Eur., Amer. sept.* — AUD.-BRULLÉ, Hist. nat. ins., ix, 54 (1835), *Monde.* — LHERM., Ann. soc. ent. France, (1), vi, 506 (1837), *Guadeloupe.* — LAM., Hist. nat. anim. sans vert., 3 ed., ii, 159 (1839), *Levant, Eur., Amer. sept.* — LATR., Cuv., Règne anim., ed. disc., Ins., ii, 9, pl. 77, figs. 5, 6 (1849), *Russia, etc.* — JAEGB., *N. Amer.*

ins., 165 (1854), *N. A.*; 117 (1859), *Id.* — RATHV., Rep. U. S. dep. agric., 1862, 374–375, pl., figs. 5–7 (1862), *U. S.* — WALSH, Proc. ent. soc. Philad., iii, 212 (1864), *S. Ill.*; Pract. ent., i, 118 (1866), *East. st.* — PACK., Guide ins., 576 (1869), *Id.* — RIL., Amer. ent., ii, 111 (1870), *U. S.*; Ann. rep. ins. Mo., ii, 10 (1870), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Iowa.* — HOW., Proc. ent. soc. Wash., i, 133 (1889). — SMITH, Bull. N. J. exp. st., xc, 14, 19, figs. 6c, 10 (1892); Ent. news, iv, 48, pl. p. 50, fig. c (1893). — COCK., Bull. agric. exp. st. N. Mex. coll. agric., xv, 73 (1895), *N. Mex.*

For fuller details of the accredited distribution by early authors, see my Catalogue of 1868, p. 17.

orizabae SAUSS., Rev. mag. zool., (2), xx, 355–356 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 20 (1871), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 45 (1893), *Id.*

otomia SAUSS., Orth. Amér. moy., 104 (1864), *Mex.* — WALK., Cat. Blatt. Brit. mus., 88 (1868), *Id.*

paralela HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

pellucida SAUSS., Rev. mag. zool., 1864, 311 (1864), *Mex.*; Blatt. nov. spec., 7 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 92 (1868), *Id.*

pennsylvanica DE GEER, Mém. hist. ins., iii, 537, pl. 44, fig. 4 (1773), *Penn.* — GOEZE, Ent. beytr., ii, 15 (1778), *Id.*; De Geer, Gesch. ins., iii, 348, pl. 44, fig. 4 (1780), *Id.* — GMEL., Linn. Syst. nat., 13 ed., iv, 2046 (1789), *Id.* — OLIV., Encycl. méth., iv, 317 (1789), *Id.* — TURT., Syst. nat. Linn., ii, 531 (1789), *Id.* — HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.* — THOM., Trans. Ill. st. agric. soc., v, 440 (1865), *Ill.*

petiveriana DUNC., Intr. ent., 226, pl. 7, fig. 2 (1840), *W. I.*

poeyi SAUSS., Rev. mag. zool., 1862, 164 (1862), *Cuba*; Orth. nov. amer., iii, 2 (1862), *Id.* — WALK., Cat. Blatt. Brit. mus., 86 (1868), *Id.*

porcellana SAUSS., Rev. mag. zool., 1862, 164 (1862), *Cuba*; Orth. nov. amer., iii, 3 (1862), *Id.*

punctulata PALIS., Ins. Afr. Amér., 183, pl. 1b, fig. 8 (1818), *St. Dom.* — WALK., Cat. Blatt. Brit. mus., 90 (1868), *Id.*

pygmaea PALIS., Ins. Afr. Amér., 183, pl. 1b, fig. 9 (1818), *St. Dom.* — SAUSS., Orth. Amér. moy., 118 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 93 (1868), *Id.*

reticulosa WALK., Cat. Blatt. Brit. mus., 103 (1868), *Jam.*

rufescens PALIS., Ins. Afr. Amér., pl. 1b, fig. 7 (1818), *St. Dom.*

ruficollis FABR., Nom. ent. emend., 78 (1797, 1810), *Indes.*

supelleotilium WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 19 (1871), *St. Dom.* — BOL., Mém. soc. zool. France, i, 123 (1888), *Cuba*; Orth. Cuba, 8 (1888), *Id.* — GUNDL., Ent. cub., ii, 302–303 (1890), *Cuba, Porto Rico.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 50 (1893), *Brazil, Cuba, trop. Afr.* — COCK., Journ. inst. Jam., i, 258 (1893), *Jam.*

surinamensis LHERM., Ann. soc. ent. France, (1), vi, 506 (1837), *Guadeloupe.*

tarasca SAUSS., Rev. mag. zool., 1862, 164 (1862), *Mex.*; Orth. nov. amer., iii, 3 (1862), *Id.*; Orth. Amér. moy., 95 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 86 (1868), *Id.* *

totonaca SAUSS., Rev. mag. zool., 1862, 165 (1862), *Mex.*; Orth. nov. amer., iii, 4 (1862), *Id.*; Orth. Amér. moy., 101 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 87 (1868), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 50 (1893), *Id.*

translucida SAUSS., Rev. mag. zool., 1864, 311 (1864), *Mex.*; Blatt. nov. spec., 7 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 92 (1868), *Id.*

tuberculata AUD.-BRULLÉ, Hist. nat. ins., ix, 52 (1835), *Amér., Indes.*

venosa SAUSS., Rev. mag. zool., 1864, 310 (1864), *Mex.*; Blatt. nov. spec., 6 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 89 (1868), *Id.* *

virescens SERV., Orth., 101 (1889), *Cuba.*

viridis FABR., Syst. ent., 272 (1775), *Amer.* — GOEZE, Ent. beytr., ii, 15 (1778), *Id.* — FABR., Spec. ins., i, 343 (1781), *Id.* — GMEL., Linn., Syst. nat., 13 ed., iv, 2043 (1789), *Id.* — FABR., Ent. syst., ii, 8 (1793), *Amer. ins.*; Nom. ent. emend., 78 (1797, 1810), *Amer.* — TURK., Syst. nat. Linn., ii, 529 (1806), *Amer. isl.*

vitrea SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 45 (1893), *Mex.*

zapoteca SAUSS., Rev. mag. zool., 1862, 166 (1862), *Mex.*; Orth. nov. amer., iii, 5 (1862), *Id.*; Orth. Amér. moy., 105 (1864), *Mex., Tehuant.* — WALK., Cat. Blatt. Brit. mus., 80 (1868), *Mex.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 45 (1893), *Mex., Guat.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

Blatta (Blabera)

atrópos GUÉR., Sagra, Hist. nat. Cuba, 333 (1857), *Cuba.*

gigantea WESTW., Drury, Ins., ii, 71, pl. 36, fig. 2 (1837-1842), *Jam., Amer., Asia, Cayenne.* — DUNC., [Blaberus] Intr. ent., 225, pl. 7, fig. 1 (1840), *S. A., W. I.*

sulzeri GUÉR., Sagra, Hist. nat. Cuba, 334 (1857), *Cuba.*

Blatta (Ectobia)

intercepta SAUSS., Orth. Amér. moy., 113 (1864), *Mex.*

mysteca SAUSS., Orth. Amér. moy., 110 (1864), *Mex.*

pellucida SAUSS., Orth. Amér. moy., 112 (1864), *Mex.*

translucida SAUSS., Orth. Amér. moy., 113 (1864), *Mex.*

Blatta (Holocompsa)

collaris GUÉR., Sagra, Hist. nat. Cuba, 332, pl. 12, fig. 3 (1857), *Cuba, Île Maurice.*

Blatta (Hololampra)

diaphana SAUSS., Orth. Amér. moy., 95 (1864), *Antill., St. Thom.*
poeyi SAUSS., Orth. Amér. moy., 94 (1864), *Cuba.*

Blatta (Kakkerlac)

americana BLANCH., Hist. nat. ins., iii, 6 (1840), *Univers.*
orientalis BLANCH., Hist. nat. ins., iii, 6 (1840), *Univers.*

Blatta (Monachoda)

thunbergi GUÉR., Sagra, Hist. nat. Cuba, 337, pl. 12, fig. 6 (1857), *Cuba.*

Blatta (Panchlora)

laevigata GUÉR., Sagra, Hist. nat. Cuba, 344 (1857), *Cuba.*
maderae GUÉR., Sagra, Hist. nat. Cuba, 338 (1857), *Madère, Maurice, Sénégal, Cuba.*
surinamensis GUÉR., Sagra, Hist. nat. Cuba, 342 (1857), *Cuba*
virescens GUÉR., Sagra, Hist. nat. Cuba, 344 (1857), *Cuba.*

Blatta (Periplaneta)

americana GUÉR., Sagra, Hist. nat. Cuba, 339 (1857), *Cuba.*
australasiae GUÉR., Sagra, Hist. nat. Cuba, 340 (1857), *Cuba, Guat.*

Blatta (Phyllodromia)

acolhua SAUSS., Miss. scient. Mex., Rech. zool., vi, 40-41, pl. 1, fig. 25a (1870), *Mex.*

adpersicollis SAUSS., Miss. scient. Mex., Rech. zool., vi, 35-36, pl. 1, fig. 22 (1870), *Mex.*

bivittata SERV., Orth., 108 (1839), *Senegal, Cape Good Hope, île de France, Cuba, Peru.* — GUÉR., Sagra, Hist. nat. Cuba, 346 (1857), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 28 (1870), *Cosmopolite.*

borealis SAUSS., Miss. scient. Mex., Rech. zool., vi, 42 (1870), *Amer. sept.*

brunneriana SAUSS., Miss. scient. Mex., Rech. zool., vi, 32-33, pl. 1, fig. 20 (1870), *Mex.*

burmeisteri GUÉR., Sagra, Hist. nat. Cuba, 345 (1857), *Cuba.*

cubensis SAUSS., Orth. Amér. moy., 108, pl. 1, figs. 14, 15 (1864), *Cuba.*

delicatula GUÉR., Sagra, Hist. nat. Cuba, 346 (1857), *Cuba.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 33-34 (1870), *Antill., Mex.*

dilatata SAUSS., Miss. scient. Mex., Rech. zool., vi, 32, pl. 1, fig. 19 (1870), *Mex.*

elongata SERV., Orth., 106 (1839), *St. Dom.*

mexicana SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 242 (1869), *Mex. ;*

Mél. Orth., i, 62 (1869), *Id.* ; **Miss. scient. Mex.**, **Rech. zool.**, vi, 28 (1870), *Id.*
orizabae SAUSS., **Miss. scient. Mex.**, **Rech. zool.**, vi, 39-40, pl. 1, figs.
 24a, 24b (1870), *Mex.*

supellectilium SAUSS., **Mém. soc. phys. hist. nat. Gen.**, xx, 242 (1869),
Ind. or., Amér. ; **Mél. Orth.**, i, 62 (1869), *Id.* ; **Miss. scient. Mex.**, **Rech. zool.**,
 vi, 39 (1870), *Cuba.*

totonaca SAUSS., **Miss. scient. Mex.**, **Rech. zool.**, vi, 37-38, pl. 1, fig. 23
 (1870), *Mex.* ; **Mém. soc. phys. hist. nat. Gen.**, xxiii, 94 (1872), *Id.* ; **Mél.**
orth., ii, 94 (1872), *Id.*

vitreata SAUSS., **Miss. scient. Mex.**, **Rech. zool.**, vi, 30-32, pl. 1, fig. 18
 (1870), *Mex.*

zapoteca SAUSS., **Miss. scient. Mex.**, **Rech. zool.**, vi, 34-35, pl. 1, fig. 21
 (1870), *Mex.*

Blatta (Polyphaga)

aegyptiaca WESTW., **Drury, Ins.**, ii, 71, pl. 36, fig. 3 (1837-1842), *Jam.,*
Egypt.

Blatta (Stylopyga)

orientalis CAULF., **Rep. ent. soc. Ont.**, xviii, 68 (1888), *Can.*

Blatta (Zetobora)

cicatricosa GUÉR., **Sagra, Hist. nat. Cuba**, 336, pl. 12, fig. 5 (1857),
Cuba.

consperosa GUÉR., **Sagra, Hist. nat. Cuba**, 339 (1857), *Cuba, Brazil.*

Bliastes

atrifrons BRUNN., **Mon. Pseudoph.**, 190-191 (1895), *Chiriqui.* — SAUSS.-
 PICT., **Biol. centr. amer., Orth.**, 428, 429-430, pl. 20, fig. 24 (1898), *Id.*

camerani GRIFF., **Boll. mus. zool. univ. Tor.**, xi, no. 232, 19-21 (1896),
Darien. — SAUSS.-PICT., **Biol. centr. amer., Orth.**, 428-429 (1898), *Id.*

fasciatus BRUNN., **Mon. Pseudoph.**, 192-193 (1895), *Costa Rica.* — SAUSS.-
 PICT., **Biol. centr. amer., Orth.**, 428, 430 (1898), *Id.*

lineatifrons BRUNN., **Mon. Pseudoph.**, 187 (1895), *Hond.* — SAUSS.-PICT.,
Biol. centr. amer., Orth., 428, 429 (1898), *Id.*

longelaminatus BRUNN., **Mon. Pseudoph.**, 183-184 (1895), *Grenada.*

moristoides BRUNN., **Mon. Pseudoph.**, 193-194 (1895), *Martinique, Mex.*
 — SAUSS.-PICT., **Biol. centr. amer., Orth.**, 428, 430 (1898), *Id.*

platyphylloides BRUNN., **Mon. Pseudoph.**, 194 (1895), *Jam.*

salomonoides BRUNN., **Mon. Pseudoph.**, 184 (1895), *Martinique.*

striolatus REDT., **Brunn.-Redt., Proc. zool. soc. Lond.**, 1892, 212-213,
 pl. 16, figs. 13abc (1892), *St. Vinc.* — BRUNN., **Ibid.**, 1893, 608 (1893), *Gren-*
ada, St. Vinc.

superbus REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 211-212, pl. 16, fig. 12 (1892), *St. Vinc.* — BRUNN., Ibid., 1893, 607 (1893), *Grenada, St. Vinc.*; Mon. Pseudoph., 184-185 (1895), *St. Vinc.*

taeniatifrons SAUSS.-PICR., Biol. centr. amer., Orth., 428, 429, pl. 20, fig. 25 (1898), *Guat.*

Boopedon

auriventris MCNEILL, Can. ent., xxxi, 54-55 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 27 (1900), *Id.*

flavofasciatum THOM., Proc. acad. nat. sc. Philad., 1870, 84 (1870), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. terr., ii, 273 (1871), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 10 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 141 (1873), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 58 (1883), *Nebr., Col., Wyo., Mont., etc.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Id.* — MCNEILL, Proc. Dav. acad. nat. sc., vi, 250, 251 (1897), *Mont., Wyo., Col., Nebr., N. Mex., Tex.* — SCUDD., Cat. Orth. U. S., 27 (1900), *Plains e. Rocky Mts.*

nigrum THOM., Proc. acad. nat. sc. Philad., 1870, 83-84 (1870), *Col., N. Mex.*

nubilum THOM., Ann. rep. U. S. geol. surv. terr., ii, 265, 272, 273 (1871), *Col., N. Mex.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 10 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 141, pl., fig. 11 (1873), *Col., N. Mex., Kans.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 58 (1883), *Id.*; Bull. Washb. coll., i, 135 (1885), *British line to Tex., Kans. and Nebr. to Rocky Mts.*; Rep. U. S. ent., 1885, 303, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 198 (1886), *Kans.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MCNEILL, Proc. Dav. acad. nat. sc., vi, 250-251, pl. 4, figs. 20, 20ab (1897), *E. slope Rocky Mts.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 27 (1900), *E. slope Rocky Mts.*

Bootettix

argentatus BRUN., Proc. U. S. nat. mus., xii, 58-60, pl. 1, figs. 4, 5 (1890), *Tex., Mex.* — TOWNS., Can. ent., xxiv, 198 (1892), *N. Mex.* — SCUDD., Rep. ent. soc. Ont., xxiii, 76 (1893). — TOWNS., Ins. life, vi, 30 (1893), *N. Mex.* — MCNEILL, Proc. Dav. acad. nat. sc., vi, 256, pl. 5, figs. 23, 23ab (1897). — SCUDD., Cat. Orth. U. S., 21 (1900), *Tex., N. Mex.*; Psyche, ix, 95 (1900), *Cal., Ariz., N. Mex., Mex.*

Bostria

dorsuaria STÅL, Rec. Orth., iii, 79 (1875), *Chiriqui.*

podagrica STÅL, Rec. Orth., iii, 79 (1875), *Pan.*

Brachyauchenus

festae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 16-17 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 413-414 (1898), *Id.*

Brachylabis

maritima DOHRN, Stett. ent. zeit., xxv, 293 (1864), *Japan, etc., south. U. S.*

Brachypeplus

magnus GIR., Marcy, Expl. Red. River, 260, pl. 15, figs. 1-4 (1853), *La.*; *Ibid.*, 249, pl. 15, figs. 1-4 (1854), *Id.* — THOM., Amer. ent., ii, 82 (1870), *Arkansas Riv.*; Proc. acad. nat. sc. Philad., 1870, 79 (1870), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. terr., ii, 271 (1871), *Ft. Laramie to Santa Fe.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 88 (1871), *La.* — DODGE, Can. ent., iv, 15 (1872), *Nebr.* — SCUDD., Rep. U. S. geol. surv. Nebr., 250 (1872), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 11 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 143, pl., fig. 4 (1873), *Wyo., Col., Nebr., Tex., Kans.*; Rep. U. S. geol. surv. w. 100 mer., v, 886 (1875), *West. U. S.* — RIL., Rep. ins. Mo., viii, 148, fig. 45 (1870); Locust plague, 227-228, fig. 40 (1877). — UHL., Bull. U. S. geol. surv. terr., iii, 358 (1877), *Col.* — BESS., Bienn. rep. Iowa agric. coll., vii, 209 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — RIL., Rep. U. S. ent. comm., i, 255, fig. 8 (1878), *Kans., Mo., Col.*

virescens CHARP., Orth. descr., pl. 51 (1841-1845), *Mex.* — GIR., Marcy, Expl. Red River, 261 (1853), *La.*; *Ibid.*, 250 (1854), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 795 (1870), *Id.* — THOM., Amer. ent., ii, 82 (1870), *Arkansas Riv.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 3 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 250 (1873), *Mex.*

Brachystola

behrensi SCUDD., Proc. Bost. soc. nat. hist., xix, 33-34 (1877), *Sinaloa*; Ent. notes, vi, 11-12 (1878), *Id.*; Cent. Orth., 50-51 (1879), *Id.* — SAUSS., Add. prodr. Oedip., 163-164 (1888), *Durango, Sinaloa.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 206, 217 (1896).

magna SCUDD., Bull. U. S. geol. surv. terr., ii, 267 (1876), *Col.*; Ann. rep. chief eng., 1876, 515 (1876), *Id.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 295 (1876), *Id.* — THOM., Proc. Dav. acad. nat. sc., i, 259 (1876), *Id.* — UHL., Bull. U. S. geol. surv. terr., iii, 796 (1877), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Col., Kans., Wyo., Nebr.* — SAUSS., Prodr. Oedip., 241-242 (1884), *Tex., N. Mex., Kans., Col., Wyo., Nebr.* — RIL., Stand. nat. hist., ii, 194, fig. 270 (1884), *Centr. N. A.* — BRUN., Bull. Washb. coll., i, 134-135 (1886), *Miss. River to Rocky Mts.*; *Ibid.*, i, 198 (1886), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — SAUSS., Add. prodr.

Oedip., 163, 164 (1888), *Tex., Col.* — COMST., *Intr. ent.*, 111, fig. 101 (1888). — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 26 (1893), *Nebr.*; *Ann. rep. Nebr. bd. agric.*, 1896, 134, fig. 32 (1897), *Nebr., Col.* — BALL, [Brachist-] *Proc. Iowa acad. sc.*, iv, 240 (1897), *Iowa.* — SCUDD., *Psyche*, viii, 142-143 (1897), *Mex.* — HUNT., *Contr. ent. lab. univ. Kans.*, lxxv, 15 (1899), *Kans.* — SCUDD., *Cat. Orth. U. S.*, 44 (1900), *Rocky Mts. to Miss. Riv.* — SUTR., *Kans. univ. quart.*, ix, 135-160, pl. 32-35 (1900).

virescens BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *Tex., N. Mex.* — SAUSS., *Prodr. Oedip.*, 242 (1884), *Mex.*; *Add. prodr. Oedip.*, 163 (1888). — SCUDD., *Cat. Orth. U. S.*, 44 (1900), *Tex.*

Bradynotes

caurus SCUDD., *Rev. Mel.*, 81, 83-84, pl. 6, fig. 6 (1897), *Wash., Oreg.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

expleta SCUDD., *Rev. Mel.*, 81, 84-85, pl. 6, fig. 7 (1897), *Wash.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

hispida SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 205 (1897), *Northw. U. S.*; *Rev. Mel.*, 81-83, pl. 6, fig. 5 (1897), *Wash.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

montana BRUN., *Can. ent.*, xvii, 16-17 (1885), *Wash., Mont.*

obesa SCUDD., *Can. ent.*, xii, 75-76 (1880). — BRUN., *Rep. U. S. ent. comm.*, iii, 59 (1883), *Mont.* — SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 205 (1897), *Northw. U. S.*; *Rev. Mel.*, 81, 87-88, pl. 6, fig. 9 (1897), *Cal., Mont., Nev., Wyo.*; *Appal.*, viii, 309-310 (1898), *Id.*; *Alp. Orth. N. A.*, 11-12 (1898), *Id.*; *Cat. Orth. U. S.*, 51 (1900), *Wyo. to Cal.*

opimus SCUDD., *Rep. U. S. ent. comm.*, ii, App., 24 (1881), *Cal.* — BRUN., *Rep. U. S. ent. comm.*, iii, 59 (1883), *Id.*; *Can. ent.*, xvii, 15 (1885), *Wash.*

pinguis SCUDD., *Rev. Mel.*, 81, 85-87, pl. 6, fig. 8 (1897), *Wash., Nev.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

referta SCUDD., *Rev. Mel.*, 81, 88-89, pl. 6, fig. 10 (1897), *Idaho, Cal.*; *Appal.*, viii, 310 (1898), *Id.*; *Alp. Orth. N. A.*, 12 (1898), *Id.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

satur SCUDD., *Rev. Mel.*, 81, 89-91, pl. 7, fig. 1 (1897), *Cal.*; *Cat. Orth. U. S.*, 51 (1900), *Id.*

Bradyporus

spinulosus SERV., *Ann. sc. nat.*, xxii, 165 (1831), *Indes.*

Brisilis

curvidens STÅL, *Bih. sv. vet.-akad. handl.*, iii, no. 14, 39 (1875), *Chiriqui.* — BRUNN., *Mon. Pseudoph.*, 133 (1895), *Id.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 411 (1898), *Id.*

Bruneria

shastana SCUDD., Appal., viii, 306 (1898), *Mt. Shasta*; Alp. Orth. N. A., 8 (1898), *Id.*; Cat. Orth. U. S., 26 (1900), *Cala.*; Psyche, ix, 95 (1900), *Id.*

Brunneria

borealis SCUDD., Can. ent., xxviii, 212 (1896), *Tex.*; Cat. Orth. U. S., 13 (1900), *Id.*

shastana McNEILI., Proc. Dav. acad. nat. sc., vi, 265, pl. 5, figs. 26, 26ab (1897), *Mt. Shasta, Cala.*

Bucrates

capitatus REPT., Verh. zool.-bot. ges. Wien, 1891, 429-430, pl. 3, figs. 48ab (1891), *Brazil, Guat., Vera Cruz.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 27-28 (1896) *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 394 (1898), *Guat., Pan., Brazil.* — GRIFF., Tent. Cat. Conoceph., 7 (1899), *Darien.*

Bulla

See Gryllus (Bulla).

Byrsotria

fumigata SAUSS.-ZEHTN., Biol. centr. amer., Orth., 121 (1894), *Cuba.*

thunbergi SAUSS.-ZEHTN., Biol. centr. amer., Orth., 120 (1894), *Cuba.*

Cacerlaca

See Periplaneta (Cacerlaca).

Cacoblatta

scabra SAUSS.-ZEHTN., Biol. centr. amer., Orth., 122, pl. 5, fig. 19 (1894), *Pan.*

Cacopteris

aequalis SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 92 (1899), *Cala.*; Cat. Orth. U. S., 78 (1900), *Id.*

ephippiata SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 91 (1899), *Sonora.*

femorata SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 93 (1899), *Cala.*; Cat. Orth. U. S., 78 (1900), *Id.*

fuscopunctata SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 89-90 (1899), *Cal.*; Cat. Orth. U. S., 78 (1900), *Id.*

inermis SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 89 (1899), *Nev.*; Cat. Orth. U. S., 78 (1900), *Id.*

nevadensis SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 91-92 (1899), *Nev.*; Cat. Orth. U. S., 78 (1900), *Id.*

sinuata SCUDD., Proc. amer. acad. arts sc., xxxv, 88, 90 (1899), *Ariz.*; Cat. Orth. U. S., 78 (1900), *Id.*

Calacris

pudica WALK., Cat. Derm. salt. Brit. mus., iv, 641 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 228 (1873), *Id.*

Calamoptera

imhoffiana WALK., Cat. Derm. salt. Brit. mus., iii, 454 (1870), *Mex.*

See also *Acanthodis* (Calamoptera) *imhoffiana*.

Caletes

apterus REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 210, pl. 16, figs. 11ab (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 606 (1893), *Grenada, St. Vinc.*

Calhypnorna

See *Hypnorna* (Calhypnorna).

Callimantis

antillarum STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 61 (1877), *San Dom.* — WESTW., Rev. Mant., 14 (1889), *Id.*

floridana SCUDD., Can. ent., xxviii, 210 (1896), *Fla.*; Cat. Orth. U. S., 12 (1900), *Id.*

Calloxiphus

championi. See *Calloxiphus championi*.

Caloblatta

bicolor SAUSS., Soc. ent., viii, 57 (1893), *Amer. centr.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 33-34 (1893), *Costa Rica.*

tricolor SAUSS., Soc. ent., viii, 57 (1893), *Amer. centr.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 34, pl. 3, figs. 11-13 (1893), *Guat., Nicar.* — BIÖLL., Inf. mus. nac. Costa Rica, 1899-1900, 42 (1900), *Costa Rica.*

Calolampra

biolleyi SAUSS., Rev. suisse zool., iii, 347, pl. 9, figs. 8, 8e (1895), *Amer. centr.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 45 (1900), *Costa Rica*.

bispinosa SAUSS.-ZEHTN., Biol. centr. amer., Orth., 67-68, pl. 3, fig. 26 (1893), *Pan.*

brevitarsis SAUSS.-ZEHTN., Biol. centr. amer., Orth., 67, pl. 4, fig. 39 (1893), *Pan.*

carinulata SAUSS., Rev. suisse zool., iii, 347-348, pl. 9, fig. 9 (1895), *Amer. centr.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 45 (1900), *Costa Rica*.

Caloptenus

angustipennis DODGE, Can. ent., ix, 111-112 (1877), *Neb.* — BRUN., Ibid., ix, 145 (1877), *Id.* — THOM., Rep. U. S. ent. comm., i, 48 (1878), *Id.* — BRUN., Ibid., iii, 60 (1883), *Id.*

arcticus WALK., Cat. Derm. salt. Brit. mus., iv, 681-682 (1870), *Arct. Amer.*; Can. ent., iv, 30 (1872), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 238 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Brit. Amer.* — CAULF., Can. rec. sc., ii, 401 (1887), *Arct. Amer.*; Can. Orth., 14 (1887), *Id.*

atlanis RIL., Rep. ins. Mo., vii, 169-170 (1875), *N. II., Me., Mass.* — THOM., [-ntis] Bull. Ill. mus. nat. hist., i, 63 (1876), *Ill.* — WHITM., Grasshopper, 19 (1876). — RIL., Rep. ins. Mo., viii, 113-118, 153 (1876); Ibid., ix, 86 (1877); Loc. plague, 22-24, 27, 198-199 (1877); [-ntis] Amer. nat., xi, 665 (1877), *E. of Miss. Riv.* — PROV., Faune ent. Can., ii, 35 (1877), *Can.* — THOM., Bull. U. S. geol. surv. terr., iv, 500 (1878), *Ill.*; [-nus] Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — RIL., [-ntis] Amer. nat., xii, 285 (1878). — THOM., Rep. U. S. ent. comm., i, 49-50, 52 (1878), *Atl. sl.* — PACK., Ibid., i, 135, [140-144] (1878), *Fla. to near arctic circle.* — THOM.-PACK., Ibid., i, 140 (1878), *Yukon Riv., Atl. to Pac.* — RIL., Ibid., i, 220, 225, 226, 232, 237, 243, 284, 299, 446, 458, pl. 3 (1878), *Mo., etc.* — THOM., Rep. ent. Ill., vii, 38 (1878), *Ill.*; [-ntis] Ibid., ix, 92, 96, 124 (1880), *Id.*; Rep. U. S. ent. comm., ii, 106 (1881). — RIL., Bull. U. S. ent. comm., vi, 89-90 (1881), *N. II.* — LINTN., Ins. clover, 5 (1881). — RIL., Amer. nat., xvii, 1073 (1883), *N. II.*; Rep. U. S. ent., 1883, 99, 170-180, pl. 2 (1883), *N. E.* — PACK., Rep. U. S. ent. comm., iii, 273-277, pl. 20-21 (1883). — BRUN., Ibid., iii, 9, 10, 14, 54 (1883), *Mont.* — RIL., Stand. nat. hist., ii, 194 (1884), *N. E., Oreg., Wash.* — COOK, Beal, Grasses N. A., i, 373 (1887). — CAULF., Can. rec. sc., ii, 399, 401 (1887), *Quebec, Victoria*; Can. Orth., 11, 14 (1887), *Id.* — WEBB, Bull. Ohio exp. st., techn. ser., i, 39 (1889). — SCHWARZ, Proc. ent. soc. Wash., i, 213 (1890). — HOW., Ins. life, iv, 124 (1891). — RIL., Bull. div. ent. U. S. dep. agric., xxv, 26-27, figs. 4a-c (1891). — MILL., Ins. life, vi, 19, 21 (1893), *Idaho*.

bilituratus WALK., Cat. Derm. salt. Brit. mus., iv, 679 (1870), *Vanc.* — THOM., Rep. U. S. geol. surv. terr., v, 160 (1873), *Id.* — SCUDD., Daws., Rep.

geol. 49 par., 343 (1875), *Souris Riv.*—BRUN., Can. ent., ix, 145 (1877), *Nebr.*—SCUDD., Ent. notes, vi, 48 (1878).—THOM., Rep. U. S. ent. comm., i, 43 (1878), *Wash.*—BRUN., *Ibid.*, iii, 60 (1883), *Pac. coast, Mont.*

bivittatus UHL., Say, Ent. N. A., ed. LeC., ii, 238 (1859), *Atl. st.*—SCUDD., Can. nat., vii, 287 (1862), *Winnipeg*; Bost. journ. nat. hist., vii, 465-466 (1862), *N. E., Md., Tex., Ill., Nebr., Minn., Winnipeg.*—SMITH, Proc. Portl. soc. nat. hist., i, 150 (1868), *Me.*—WALSH-RIL., Amer. ent., i, 16 (1868), *Ill.*—PACK., Guide ins., 570 (1869), *East. U. S., etc.*—THOM., Proc. acad. nat. sc. Philad., 1870, 78 (1870), *Col.*—WALK., Cat. Derm. salt. Brit. mus., iv, 678 (1870), *Hudson Bay, Can., Nova Scotia, N. Y.*—THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Col., Wyo., Utah.*—DODGE, Can. ent., iv, 15 (1872), *Nebr.*—GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 16; pl. 5, fig. 16 (1872).—SMITH, Rep. Conn. bd. agric., 1872, 362, 381, fig. 7 (1872), *Conn.*—WALK., Can. ent., iv, 30 (1872), *Can., Nova Scotia, Hudson Bay.*—SCUDD., Rep. U. S. geol. surv. Nebr., 250, 259 (1872), *Nebr., Manit.*—THOM., Rep. U. S. geol. surv. terr., v, 166 (1873), *U. S.*; Key Ill. Orth., 3 (1875?), *Ill.*—SCUDD., Daws., Rep. geol. 49 par., 343 (1875), *Lake of Woods*; Butt. Orth. Brit. N. A. bound. comm., 3 (1875), *Id.*—RIL., Rep. ins. Mo., vii, 124, 173, fig. 34 (1875), *Miss. vall.*—THOM., Rep. U. S. geol. surv. w. 100 mer., v, 894 (1875), *West. U. S.*; Proc. Dav. acad. nat. sc., i, 261 (1876), *Utah, Nebr., Col.*—PUTN., *Ibid.*, i, 266 (1876), *Iowa.*—SCUDD., Bull. U. S. geol. surv. terr., ii, 261 (1876), *Col., Utah.*—PROV., Nat. can., viii, 109 (1876), *Quebec.*—WHITM., Grasshopper, 19, fig. (1876).—UHL., Bull. U. S. geol. surv. terr., iii, 796 (1877), *Col.*—BESS., Bienn. rep. Iowa agric. coll., vii, 269 (1877), *Iowa.*—BRUN., Can. ent., ix, 144 (1877), *Nebr.*—RIL., Loc. plague, 89, 194-195, fig. 38 (1877).—THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Dak., Mont.*; Ann. rep. chief eng., 1878, 1845 (1878), *Col.*; Rep. U. S. ent. comm., i, 42 (1878).—RIL., *Ibid.*, i, 220, 221, 226, 327, 459, fig. 111 (1878), *Mich.*—PACK., *Ibid.*, i, [140, 142] (1878), *Mt. Shasta.*—RIL., Amer. ent., iii, 220 (1880).—THOM., Rep. ent. Ill., ix, 91, 96, 126-127 (1880), *Ill.*—LINTN., Ins. clover, 5 (1881).—BRUN., Bull. div. ent. U. S. dep. agric., ii, 9 (1883), *Dak.*; Rep. U. S. ent. comm., iii, 9, 10, 14 (1883), *Mont.*—RIL., Stand. nat. hist., ii, 194-195, fig. 272 (1884), *N. A.*—COOK, Beal, Grasses N. A., i, 373, 396 (1887).—RIL., Ins. life, i, 87 (1888), *Mich.*—LUGG., Bull. exp. st. Minn., iv, 28, fig. 1 (1888); Rep. exp. st. Minn., 340, fig. 17 (1889).—WEED, Bull. Ohio agric. exp. st., techn. ser., i, 40 (1889).—SCHWARZ, Proc. ent. soc. Wash., i, 213 (1890).—OSB., Ins. life, iv, 50, 55 (1891); Rep. ent. soc. Ont., xxii, 70, 73 (1891).—RIL., Ins. life, iv, 145 (1891), *Nebr.*; Bull. div. ent. U. S. dep. agric., xxv, 31-32, fig. 9 (1891).—OSB., *Ibid.*, xxvii, 59-64 (1892), *Kans.*—MILL., Ins. life, vi, 19, 21 (1893), *Idaho.*—HOW., *Ibid.*, vii, 274 (1895), *N. Y.*

See also *Acridium* (*Caloptenus*) *bivittatum*.

borealis FIEB., Lotos, iii, 120 (1853), *Grönland, Nord Cap, Labrador*; Syn. eur. Orth., 20 (1854), *Id.*—BRUNN., Verh. zool.-bot. ges. Wien, 1861, 223 (1861), *Labrador*; Orth. studien, 3 (1861), *Id.*—WALK., Cat. Derm.

salt. Brit. mus., iv, 678 (1870), *Id.*; Can. ent., iv, 30 (1872), *Id.*—THOM., Rep. U. S. geol. surv. terr., v, 227 (1873), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Brit. Amer.*—CAULF., Can. rec. sc., ii, 401 (1887), *Labrador*; Can. Orth., 14 (1887), *Id.*

* **cinereus** RIL., Stand. nat. hist., ii, 195 (1884), *Northw. N. A.*—MILL., Ins. life, vi, 19 (1893), *Idaho*.

clypeatus SCUDD., Proc. Bost. soc. nat. hist., xix, 40-41 (1877), *Geo.*; Ent. notes, vi, 18-19 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

deletor SCUDD., Proc. Bost. soc. nat. hist., xvii, 475-476 (1875), *Tex.*; Ent. notes, iv, 74-75 (1875), *Id.*—THOM., Rep. U. S. ent. comm., i, 42 (1878), *Id.*—SCUDD., Cent. Orth., 19-20 (1879), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

devastator RIL., Bull. div. ent. U. S. dep. agric., xxv, 28-30, figs. 6a-d, 7a-c (1891), —MILL., Ins. life, vi, 19 (1893), *Idaho*.

devorator SCUDD., Proc. Bost. soc. nat. hist., xvii, 474-475 (1875), *Tex.*; Ent. notes, iv, 73-74 (1875), *Id.*—THOM., Rep. U. S. ent. comm., i, 42 (1878), *Id.*—SCUDD., Cent. Orth., 18-19 (1879), *Id.*

diffentialis WALSH-RIL., Amer. ent., i, 16 (1868), *Ill., Iowa, Mo.*; *Ibid.*, i, 187 (1869), *Mo.*—THOM., Proc. acad. nat. sc. Philad., 1871, 149 (1871), *Ill.*—GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 12, pl. 9, fig. 4, pl. 11, fig. 6 (1872).—THOM., Rep. U. S. geol. surv. terr., v, 106, pl., fig. 5 (1873), *Ill., Mo., Nebr., Kans., Iowa*; Key Ill. Orth., 3 (1875?), *Ill.*—RIL., Rep. ins. Mo., vii, 124, 176, fig. 33 (1875), *Miss. Vall.*; *Ibid.*, viii, 153, 154 (1876).—THOM., Bull. Ill. mus. nat. hist., i, 68 (1876), *Ill.*—WHITM., Grasshopper, 19, fig. (1876).—BRUN., Can. ent., ix, 144 (1877), *Nebr.*—BESS., Bienn. rep. Iowa agric. coll., vii, 209 (1877), *Iowa*.—THOM., Rep. ent. Ill., vi, 44-45 (1877).—RIL., Loc. plague, 89, 194, 198-201, fig. 34 (1877); Amer. nat., xii, 284 (1878).—THOM., Bull. U. S. geol. surv. terr., iv, 500 (1878), *Ill.*; Rep. U. S. ent. comm., i, 42 (1878).—RIL., *Ibid.*, i, 220, 223, 225-226, 228, 298-299, 301, 327, 447, 459, figs. 32, 110, pl. 4, fig. 1 (1878), *Tex., N. Mex., Mo., Ill.*; Bull. U. S. ent. comm., iii, 39 (1880); Amer. ent., iii, 220 (1880).—THOM., Rep. ins. Ill., ix, 91, 96, 127-128, fig. 24 (1880), *Ill.*—LINTN., Ins. clover, 5 (1881).—THOM., Rep. U. S. ent. comm., ii, 106-107 (1881).—OSB., Amer. nat., xvii, 1286-1287 (1883).—BRUN., Rep. U. S. ent. comm., iii, 54, 60 (1883), *Nebr., Iowa, Ill., Mo.*—FORBES, Rep. ins. Ill., xiv, 23 (1884), *Ill.*—RIL., Stand. nat. hist., ii, 194-195, fig. 271 (1884), *Centr. U. S.*—OSB., Bull. Iowa agric. coll., dep. ent., ii, 83 (1884).—BRUN., Rep. U. S. ent., 1884, 399 (1885), *Nebr.*—RIL., Amer. nat., xx, 558-559 (1886), *Tex.*—COOK, Beal, Grasses N. A., i, 373 (1887).—WEED, Bull. Ohio agric. exp. st., techn. ser., i, 40-41 (1889).—LUGG., Rep. agric. exp. st. Minn., 340, fig. 16 (1889).—OSB.-GOSS, Bull. Iowa exp. st., xiv, 175 (1891); *Ibid.*, xv, 267 (1891).—OSB., Ins. life, iv, 50, 51, 55 (1891); Rep. ent. soc. Ont., xxii, 70, 73 (1891).—RIL., Ins. life, iv, 195 (1891), *Nebr.*; Bull. div. ent. U. S. dep. agric., xxv, 30-31, fig. 8 (1891).—OSB., *Ibid.*, xxvii, 59-60 (1892), *Kans.*—RIL., Ins. life, iv, 323, 393, 401 (1892), *Kans., Tex.*

dodgei THOM., Can. ent., iii, 168 (1871), *Col.*; Ann. rep. U. S. geol. surv. terr., v, 451, pl. 2, figs. 4, 5, 9 (1872). — GLOV., Ill. N. A. ent., Orth., pl. 11, figs. 4, 5, 9 (1872).

extremus WALK., Cat. Derm. salt. Brit. mus., iv, 681 (1870), *Arct. Amer.*; Can. ent., iv, 30 (1872), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 225 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Brit. Amer.* — CAULF., Can. rec. sc., ii, 401 (1887), *Arct. Amer.*; Can. Orth., 14 (1887), *Id.*

fasciatus WALK., Cat. Derm. salt. Brit. mus., iv, 680 (1870), *Hudson Bay*; Can. ent., iv, 30 (1872), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 224 (1873), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xvii, 477 (1875), *Tex., Nebr.*; Ent. notes, iv, 76 (1875), *Id.*; Bull. U. S. geol. surv. terr., ii, 261 (1876), *Col., Utah.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Rep. U. S. ent. comm., i, 42 (1878), *Tex., Nebr.* — SCUDD., Cent. Orth., 21 (1879), *Id.* — CAULF., Can. rec. sc., ii, 401 (1887), *Hudson Bay*; Can. Orth., 14 (1887), *Id.*

femoratus BURM., Handb. ent., ii, 638 (1838), *Car.* — BRUNN., Voth. zool.-bot. ges. Wien, 1861, 224 (1861), *S. C.*; Orth. stud., 4 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 678 (1870), *N. Y.* — PROV., Faune ent. Can. ii, 35 (1877), *Quebec.*

See also *Acridium* (*Caloptenus*) *femoratum*.

femur rubrum BURM., Handb. ent., ii, 638 (1838), *Penn.* — PACK., Rep. nat. hist. Me., 1861, 374 (1861), *Me.* — SCUDD., Can. nat., vii, 287 (1862), *Manit.*; Bost. journ. nat. hist., vii, 464-465 (1862), *N. E., Ill., Minn., Nebr., Manit.* — WALSH, Trans. Ill. st. agric. soc., v, 497 (1865), *N. E., Ill.*; Pract. ent., ii, 1 (1866), *East of Miss. Riv.* — GLOV., Rep. U. S. dep. agric., 1867, 65 (1867), *East st.* — PACK., Amer. nat., i, 330 (1867). — SMITH, Proc. Portl. soc. nat. hist., i, 150 (1868), *Me.* — SCUDD., Proc. Bost. soc. nat. hist., xii, 87 (1868), *U. S.* — WALSH-RIL., Amer. ent., i, 16, 73 (1868), *Ill., Iowa, Mo., Me. to Minn., Penn. to Kans., Nebr.* — WALSH, Rep. ins. Ill., i, 90 (1868), *Id.* — PACK., Guide ins., 569, fig. 564b (1869), *Atl. st., N. E., Can., Labr.* — WALK., Cat. Derm. salt. Brit. mus., iv, 678 (1870), *Arct. Amer., Vanc., N. Y., Nova Scotia, Conn.* — RATHV., Amer. ent., ii, 88 (1870), *Penn.* — GLOV., Rep. U. S. dep. agric., 1870, 76, fig. 32 (1870), *Md., Penn.*; *Ibid.*, 1871, 78, fig. 12 (1871), *East. U. S.* — KÖPP., Peterm. geogr. mitth., 1871, 361 (1871). — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *East of Rocky Mts.* — GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 11, pl. 8, fig. 2 (1872); Rep. U. S. dep. agric., 1872, 121 (1872), *Ky.* — SMITH, Rep. Conn. bd. agric., 1872, 362, 381, fig. 8 (1872), *East of Miss. Riv., Brit. Amer., Conn.* — WALK., Can. ent., iv, 30 (1872), *Nova Scotia, Arct. Amer.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 451 (1872), *Rocky Mts. to Mo., Vanc., west Sierra Nev.* — LEB., Ann. rep. ins. Ill., ii, 158 (1872), *Ill.* — SCUDD., Rep. U. S. geol. surv. Nebr., 250, 252, 253-257 (1872), *Nebr., Miss. Riv. and eastw.* — DODGE, Can. ent., iv, 15 (1872), *Nebr.* — GLOV., Rep. U. S. dep. agric., 1873, 136, fig. 6 (1873), *East st.* — THOM., Rep. U. S. geol. surv. terr., v, 163 (1873), *U. S., num. loc.* — PACK., Amer. nat., viii, 502 (1874), *N. E.* — THOM., Key Ill. Orth., 3 (1875?), *Ill.* — RIL., Rep. ins. Mo.; vii, 126, figs. 26, 29 (1875), *U. S.* — BETH., Ann. rep. ent.

soc. Ont., 1874, fig. 33 (1875), *Can.* — THOM., Proc. Dav. acad. nat. sc., i, 260 (1876), *Iowa*; Bull. Ill. mus. nat. hist., i, 68 (1876), *Ill.* — RIL., Rep. ins. Mo., viii, 114–118, 153 (1876). — WHITM., Grasshopper, 18–19, 2 figs. (1876). — PROV., Nat. can., viii, 109, fig. 12 (1876), *Can.*; Faune ent. Can., ii, 36, fig. 9 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 209 (1877), *Iowa*. — PACK., Amer. nat., xi, 422 (1877). — RIL., Ibid., xi, 665 (1877), *East of Miss. Riv.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 86 (1877), *Fla.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Rep. ent. Ill., vi, 45 (1877). — RIL., Rep. ins. Mo., ix, 86 (1877); Loc. plague, 14–17, 27, figs. 1, 4 (1877). — SCUDD., Ent. notes, vi, 27 (1878), *Fla.*; Psyche, ii, 154 (1878), *Id.* — RIL., Amer. nat., xii, 285 (1878). — THOM., Bull. U. S. geol. surv. terr., iv, 499 (1878), *Ill.*; Ann. rep. chief eng., 1878, 1845 (1878), *Col.*; Rep. U. S. ent. comm., i, 50–52 (1878). — PACK., Ibid., i, 77, 135, [141–144] (1878), *Iowa, Fla. to near arct. circle.* — RIL., Ibid., i, 220, 224, 225, 226, 284, 299, 444–446, 447, 458, pl. 2 (1878), *Mo., etc.* — THOM., Rep. ent. Ill., vii, 35, 38–40, figs. 5, 7 (1878). — GIR., Traité ent., ii, 248 (1879), *U. S.* — RIL., Amer. ent., iii, 220 (1880). — THOM., Rep. ent. Ill., ix, 91, 95–96, 124–126, figs. 22, 23 (1880), *Ill.*; Rep. U. S. ent. comm., ii, 106–107 (1881). — PACK., Amer. nat., xv, 285–302, 372–379, pl. 1 (1881); Nat. leis. hour, v, no. 4, 8 figs. (1881). — BOWLES, Ann. rep. ent. soc. Ont., 1880, 29, fig. 11 (1881). — LINTN., Ins. clover, 5 (1881); Ann. rep. ins. N. Y., i, 7, fig. 3b (1882). — GRAT., Amer. nat., xvi, 1022 (1882). — SAUND., Ins. inj. fruit, 157, fig. 164 (1883). — BRUN., Rep. U. S. ent. comm., iii, 10, 14, 54 (1883), *Mont.* — OSB., Bull. Iowa agric. coll., dep. ent., ii, 83 (1884). — BRUN., Rep. U. S. ent., 1884, 399 (1885), *Nebr.* — COOK, Ent. amer., i, 209 (1886), *Mich.*; Beal, Grasses N. A., i, 373, 396, 409, fig. 157 (1887). — CAULFE, Rep. ent. soc. Ont., xviii, 66, 67, fig. 20 (1888), *Can.* — RIL., Ins. life, i, 87 (1888), *Mich.* — WEED, Bull. Ohio exp. st., techn. ser., i, 40 (1889). — LUGG., Rep. agric. exp. st. Minn., 339, fig. 12, 14 (1889); Bull. agric. exp. st. Minn., viii, 32, 33, pl. 2 (1889). — MANN, Proc. ent. soc. Wash., ii, 23 (1890). — PACK., Ins. inj. forests, 513 (1890). — RIL., Bull. div. ent. U. S. dep. agric., xxv, 27–28, fig. 5 (1891). — OSB.-GOSS, Bull. Iowa exp. st., xiv, 175 (1891). — HOW., Ins. life, vii, 274 (1895), *N. Y.* — WILC., Bull. mus. comp. zool., xxvii, 9–28, pl. 3–5 (1895); Ibid., xxix, 193–203, pl. 1–3 (1896).

See also *Acridium* (*Caloptenus*) femur rubrum.

flavolineatus THOM., [Caleopt-] Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 68 (1874), *Cala.*; Rep. U. S. ent. comm., i, 43 (1878), *Id.* — BRUN., Ibid., iii, 60 (1883), *Fla.* — SCUDD., Rev. Mel., 405 (1897).

floridanus THOM., [-dianus] Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 68 (1874), *Fla.* — GLOY., Ill. N. A. ent., Orth., pl. 17, fig. 3 (1874). — THOM., Rep. U. S. ent. comm., i, 42 (1878), *Fla.* — BRUN., Ibid., iii, 60 (1883), *Id.*

glaucipes SCUDD., Proc. Bost. soc. nat. hist., xvii, 476–477 (1875), *Tex.*; Ent. notes, iv, 75–76 (1875), *Id.* — THOM., Rep. U. S. ent. comm., i, 42 (1878), *Id.* — SCUDD., Cent. Orth., 20–21 (1879), *Id.*

gracilipes BRUN., Rep. U. S. ent. comm., iii, 60 (1883).

griseus THOM., Ann. rep. U. S. geol. surv. terr., v, 454 (1872), *Ohio.* —

Glov., Ill. N. A. ent., Orth., pl. 12, fig. 14 (1872). — **THOM.**, Rep. U. S. geol. surv. terr., v, 165 (1873), *Id.* — **BRUN.**, Can. ent., ix, 144 (1877), *Nebr.* — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Ohio.* — **BRUN.**, *Ibid.*, iii, 60 (1883), *Ohio, Nebr.*

helluo **SCUDD.**, Proc. Bost. soc. nat. hist., xvii, 476 (1875), *Tex.*; Ent. notes, iv, 75 (1875), *Id.* — **THOM.**, Rep. U. S. ent. comm., i, 43 (1878), *Id.* — **SCUDD.**, Cent. Orth., 20 (1879), *Id.* — **BRUN.**, Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

junius **SCUDD.**, Can. ent., xii, 75 (1880).

keeleri **THOM.**, Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 69 (1874), *Fla.* — **GLOV.**, Ill. N. A. ent., Orth., pl. 17, fig. 1 (1874). — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Id.* — **BRUN.**, *Ibid.*, iii, 60 (1883), *Id.*

luridus **DODGE**, Can. ent., viii, 11 (1876), *Nebr.* — **BRUN.**, *Ibid.*, ix, 145 (1877), *Id.* — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Id.* — **RIL.**, *Ibid.*, i, 220 (1878), *Mo.*; Stand. nat. hist., ii, 195 (1884), *Id.*

mexicanus **WALK.**, Cat. Derm. salt. Brit. mus., iv, 682-683 (1870), *Mex.* — **THOM.**, Rep. U. S. geol. surv. terr., v, 227 (1873), *Id.*

minor **SCUDD.**, Proc. Bost. soc. nat. hist., xvii, 478 (1875), *Nebr.*; Ent. notes, iv, 77 (1875), *Id.*; Bull. U. S. geol. surv. terr., ii, 261 (1876), *Utah*; Ann. rep. chief eng., 1876, 501 (1876), *Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 281 (1876), *Id.* — **BRUN.**, Can. ent., ix, 145 (1877), *Nebr.* — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Id.* — **SCUDD.**, Cent. Orth., 22 (1879), *Id.* — **DODGE**, Rep. U. S. ent. comm., ii, App., 17 (1881), *Id.* — **BRUN.**, *Ibid.*, iii, 60 (1883), *Miss. vall.*; Bull. div. ent. U. S. dep. agric. iv, 57, 58 (1884), *Col.*

nigrescens **SCUDD.**, Proc. Bost. soc. nat. hist., xix, 27-28 (1875), *Geo.*; Ent. notes, vi, 5-6 (1878), *Id.*; Cent. Orth., 44-45 (1879), *Id.*

occidentalis **THOM.**, Ann. rep. U. S. geol. surv. terr., v, 453, pl. 2, fig. 2 (1872), *Wyo.* — **GLOV.**, Ill. N. A. ent., Orth., pl. 11, fig. 2 (1872). — **THOM.**, Rep. U. S. geol. surv. terr., v, 161 (1873), *Wyo., Mont.*; Rep. U. S. geol. surv. w. 100 mer., v, 893 (1875), *West. U. S.*; Proc. Davenp. acad. nat. sc., i, 261 (1876), *Utah.* — **SCUDD.**, Bull. U. S. geol. surv. terr., ii, 261 (1876), *Id.* — **BRUN.**, Can. ent., ix, 145 (1877), *Nebr.* — **THOM.**, Bull. U. S. geol. surv. terr., iv, 484 (1878), *Red Riv.*; Ann. rep. chief eng., 1878, 1845 (1878), *Col.*; Rep. U. S. ent. comm., i, 43 (1878), *Minn. to Col.* — **BRUN.**, Bull. div. ent. U. S. dep. agric., ii, 9 (1883), *Dak.*; Rep. U. S. ent. comm., iii, 60 (1883), *Mont., Col., etc.*

parvus **PROV.**, Nat. can., viii, 110 (1876), *Quebec*; Faune ent. Can., ii, 36 (1877), *Id.*

plumbeus **DODGE**, [-bum] Can. ent., ix, 112-113 (1877), *Nebr.* — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Id.* — **BRUN.**, *Ibid.*, iii, 60 (1883), *Id.*

ponderosus **SCUDD.**, Proc. Bost. soc. nat. hist., xvii, 473 (1875), *Tex.*; Ent. notes, iv, 72 (1875), *Id.* — **THOM.**, Rep. U. S. ent. comm., i, 42 (1878), *Id.* — **SCUDD.**, Cent. Orth., 17 (1879), *Id.* — **BRUN.**, Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

punctulatus UHL., Scudd., Bost. journ. nat. hist., vii, 405 (1862), *Me.* — SMITH, Proc. Portl. soc. nat. hist., i, 150 (1868), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 678 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 163 (1873), *Id.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.* — THOM., Rep. U. S. ent. comm., i, 43 (1878), *N. E.* — BRUN., *Ibid.*, iii, 60 (1883), *Me., Mass.*

regalis DODGE, Can. ent., viii, 11 (1876), *Nebr.* — BRUN., *Ibid.*, ix, 145 (1877), *Id.* — THOM., Rep. U. S. ent. comm., i, 43 (1878), *Id.* — BRUN., *Ibid.*, iii, 60 (1883), *Nebr., Col., Wyo.*

repletus WALK., Cat. Derm. salt. Brit. mus., iv, 678-679 (1870), *U. S., Vanc.* — THOM., Rep. U. S. geol. surv. terr., v, 159 (1873), *Id.*; Rep. U. S. ent. comm., i, 42 (1878), *Wash.*

robustus SCUDD., Proc. Bost. soc. nat. hist., xvii, 473-474 (1875), *Tex.*; Ent. notes, iv, 72-73 (1875), *Id.* — THOM., Rep. U. S. ent. comm., i, 42 (1878), *Id.* — SCUDD., Cent. Orth., 17-18 (1879), *Id.* — RIL., Amer. ent., iii, 220 (1880). — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

sanguinocephalus LAM., Proc. Nebr. ass. adv. sc., Mar. 8, 1877 (1877), *Nebr.*

sanguinolentus PROV., Nat. can., viii, 109 (1876), *Quebec.*

scriptus WALK., Cat. Derm. salt. Brit. mus., iv, 680-681 (1870), *Vanc.* — THOM., Rep. U. S. geol. surv. terr., v, 160 (1873), *Id.*; Rep. U. S. ent. comm., i, 42 (1878), *Wash.* — SCUDD., Ent. notes, vi, 48 (1878). — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Pac. coast.* — SCUDD., Rev. Mel., 406 (1897).

selectus WALK., Cat. Derm. salt. Brit. mus., iv, 682 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 226 (1873), *Id.* — SCUDD., Rev. Mel., 406 (1897).

spretus WALSH, Pract. ent., ii, 1-2 (1866), *Kans., Col.* — GLOV., Rep. U. S. dep. agric., 1867, 65, fig. (1867), *Tex., Utah, Nebr., Iowa, Kans.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 436 (1868), *Tex.*; *Ibid.*, xii, 88 (1868), *U. S.* — WALSH-RIL., Amer. ent., i, 16, 73, fig. 65 (1868), *Rocky Mts., Kans., Nebr., Mo., Iowa.* — WALSH, Rep. ins. Ill., i, 82 (1868), *Id.*, also *Tex., Minn., Utah.* — WALSH-RIL., Amer. ent., i, 249 (1869), *Mo.* — PACK., Guide ins., 570, fig. 564a (1869), *West of Miss. Riv.* — WALK., Cat. Derm. salt. Brit. mus., iv, 678 (1870), *Ill.* — THOM., Amer. ent., ii, 81 (1870), *Mo., Col., Nebr., east of Rocky Mts.*; Proc. acad. nat. sc. Philad., 1870, 78 (1870), *Col.* — GLOV., Rep. U. S. dep. agric., 1870, 76, fig. 31 (1870), *Far west, Utah, Tex.*; *Ibid.*, 1871, 78, fig. 11 (1871), *West of Miss. Riv., Rocky Mts.* — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265, 281 (1871), *Nev., Idaho to Mo., Iowa, Raton to Big Horn Mts.* — DODGE, Can. ent., iv, 15 (1872), *Nebr.* — GLOV., Rep. U. S. dep. agric., 1872, 121 (1872), *Kans., Nebr., Dak., Utah, Oreg.* — SMITH, Rep. Conn. bd. agric., 1872, 366, fig. 9 (1872), *Miss. Riv. to Rocky Mts.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 451 (1872), *Utah.* — LEB., Rep. ins. Ill., ii, 158 (1872), *West of Miss. Riv.* — GLOV., Ill. N. A. ent. Orth., pl. 8, fig. 1, pl. 13, fig. 15 (1872). — SCUDD., Rep. U. S. geol. surv. Nebr., 250, 252 (1872), *Nebr., Miss. Riv. to Rocky Mts. and Saskatch.* — GLOV., Rep. U. S. dep. agric., 1873,

125, 136, fig. 8 (1873), *Kans., Wisc., Minn., Iowa, Mo., Nebr., Cal.* — THOM., Rep. U. S. geol. surv. terr., v, 164 (1873), *Ill., Iowa, Mo., Nebr., Kans., Col., Wyo., Utah, Idaho, Nev., Mont., Minn., Dak., Wisc., Tex., Ariz., Brit. Amer.* — GLOV., Rep. U. S. dep. agric., 1874, 28 (1874), *Kans., Wash., Oreg., Cal., Utah, N. Mex.* — RIL., Amer. nat., viii, 502 (1874), *Me., Mass.* — BETH., Can. ent., vi, 185 (1874), *Manit., west. st.*; Ann. rep. ent. soc. Ont., 1874, 8, 30, figs. 31, 34 (1875), *Id.* — THOM., Key Ill. Orth., 3 (1875?), *Ill.* — SCUDD., Daws. Rep. geol. 49 par., 343 (1875), *Dufferin, Souris Riv., Lake of Woods, etc.* — RIL., Rep. ins. Mo., vii, 121, figs. 23-25, 27, 28, 31, 32, maps (1875), *N. A., num. loc.* — PACK., Amer. nat., ix, 573 (1875), *Mass.* — DODGE, Can. ent., vii, 133 (1875), *Tex., N. Mex., Ariz., Nebr., Kans., east of Rocky Mts., Miss. vall.* — RIL., *Ibid.*, vii, 180 (1875), *N. H.* — PUTN., Proc. Dav. acad. nat. sc., i, 187, 265 (1876), *Wyo., Col., Iowa.* — THOM., *Ibid.*, i, 260, 265 (1876), *Wyo.* — BETH., Ann. rep. ent. soc. Ont., 1875, 45, fig. (1876), *West. st.*; Can. ent., viii, 4 (1876). — CARR., Field for., i, 81 (1876), *Rocky Mts.* — MERR., *Ibid.*, ii, 64 (1876), *Minn., Iowa, Mo., Kans., Nebr.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 261 (1876), *Mo., Col.*; Psyche, i, 144 (1876), *Kans., Mo., Tex. to Manit.*; Ann. rep. chief eng., 1876, 501 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 281 (1876), *Id.* — THOM., Bull. Ill. mus. nat. hist., i, 68 (1876), *Ill.* — RIL., Rep. ins. Mo., viii, 57-156, figs. 39a-e (1876), *N. A., num. loc.* — RIL. ET AL., Rocky mt. loc., 37-58, figs. 1-4 (1876). — WHITM., Grasshopper, 1-17, 4 figs. (1876). — DAWS., Can. nat., n. s., viii, 119-134 (1876), *Manit. and N. W. terr.* — BROADH., Trans. St. Louis acad. sc., iii, 345-349 (1876), *Mo.* — DODGE, Field for., ii, 206 (1877), *Col.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — UHL., Bull. U. S. geol. surv. terr., iii, 350, 796 (1877), *Col.* — BESS., Bienn. rep. Iowa agric. coll., vii, 209 (1877), *Iowa.* — RIL., Amer. nat., xi, 664 (1877), *Rocky Mts.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 892 (1877), *West. U. S., Ill.*; Rep. ins. Ill., vi, 44-56 (1877). — RIL., Rep. ins. Mo., ix, 57-124, figs. 18-22, map (1877); Loc. plagues, 1-231, 3 maps, figs. 2, 3, 6-14 (1877). — RIL. ET AL., Bull. U. S. ent. comm., ii, 15 pp., 11 figs., map (1877); *Ibid.*, 2 ed. (1877). — PHILL., Stat. Minn., 1876, 88-112 (1877). — WHITM., Rep. Rocky mt. loc., 1876, 1-43, map (1877). — DAWS., Can. nat., n. s., viii, 207-226 (1877); *Ibid.*, viii, 411-417 (1878). — THOM., Bull. U. S. geol. surv. terr., iv, 483, 485 (1878), *Dak., Mont., etc.* — RIL., Amer. nat., xii, 283 (1878), *Kans.* — PACK., *Ibid.*, xii, 516 (1878), *West. U. S.* — THOM., Rep. U. S. ent. comm., i, 31-52, 114-130, 334-350 (1878), *N. A., num. loc.* — PACK., *Ibid.*, i, 53-113, 131-136, 257-279, 437-443, 460-477 (1878); *Id.* — PACK.-THOM., *Ibid.*, i, 136-142, 143-211 (1878), *Id.* — RIL., *Ibid.*, i, 212-257, 279-334, 350-437, 443-459 (1878), *Id.* — RIL.-PACK.-THOM., *Ibid.*, i, 10-16, 1-29, 1-294, pl. 1, 3 maps (1878), *Id.* — THOM., Rep. ent. Ill., vii, 35, 36-38, figs. 4, 6, 8 (1878). — GIR., Traité ent., ii, 248 (1879), *Winnipeg to Tex.* — PACK., Amer. nat., xiii, 586 (1879), *N. Mex.* — RIL., Amer. ent., iii, 220 (1880). — THOM., *Ibid.*, iii, 225 (1880), *Manit.* — CARR., *Ibid.*, iii, 296 (1880). — BOWLES, Can. ent., xii, 131-133, fig. 19 (1880). — ABBE, Amer. nat., xiv, 735-738 (1880). — THOM., Psyche, iii, 114 (1880); Rep. ent. Ill., ix, 92,

96, 121-123, figs. 19-21 (1880). — PACK.-RIL., Rep. U. S. ent. comm., ii, 1-14 (1881). — THOM., Ibid., ii, 14-155 (1881). — PACK., Ibid., ii, 156-163, 178-183, 223-242, fig. 9, pl. 1, 9-15 (1881). — MINOT, Ibid., ii, 183-222, pl. 2-7 (1881). — RIL., Ibid., ii, 259-322, pl. 16 (1881); Can. ent., xiii, 180 (1881).
 * — PACK., Amer. nat., xv, 285-302, 372-379, pl. 2-4, 5, figs. 1-3 (1881). — HAKT, Ibid., xv, 749 (1881), *Dak.* — RIL., Ibid., xv, 1007, 1013 (1881). — BOWLES, Ann. rep. ent. soc. Ont., 1880, 28-29 (1881). — PACK., Nat. leis. hour, v, no. 4, 4-10, figs. (1881). — LINTN., Ins. clover, 5 (1881); Ann. rep. ins. N. Y., i, 7, fig. 3a (1882). — MANN, Psyche, iii, 379-380 (1883). — RIL., Bull. div. ent. U. S. dep. agric., ii, 5 (1883). — BRUN., Ibid., ii, 7-22, 29 (1883). — PACK., Rep. U. S. ent. comm., iii, 8-54 (1883). — MART., Ibid., iii, App., 50-54 (1883). — SAUND., Ins. inj. fruit, 157, figs. 165, 166 (1883). — BRUN., Bull. div. ent. U. S. dep. agric., iv, 51-62 (1884). — RIL., Stand. nat. hist., ii, 195-201, figs. 274-281 (1884); Rep. U. S. ent., 1884, 323 (1885). — BRUN., Ibid., 1884, 398-399 (1885), *Nebr.* — RIL., Rep. U. S. ent., 1885, 228-229, pl. 8, figs. 6a-c (1886). — HANS., Tidskr. pop. fremst. naturw., (?) (1886); Nordan. vandreg., 1-32 (1886). — CAULF., Can. rec. sc., ii, 399, 401 (1887), *Can.*; Can. Orth., 11, 14 (1887), *Id.* — COOK, Beal, Grasses N. A., i, 373, 396, 409, fig. 156 (1887). — CAULF., Ann. rep. ent. soc. Ont., xviii, 65, 67, figs. 19, 21 (1888), *Can.* — RIL., Ins. life, i, 30-31 (1888), *Minn.* — PARS., Ins. life, i, 380 (1889). — WEED, Bull. Ohio exp. st., techn. ser., i, 40 (1889). — LUGG., Rep. agric. exp. st. Minn., 339-343, figs. 5, 13, 15, 19-22 (1889); Bull. agric. exp. st. Minn., viii, 305-349, figs. 1-4, pl. 1, map (1889). — LINTN., Rep. ins. N. Y., vii, 338 (1891). — RIL., Ins. life, iii, 183, 438 (1891); Bull. div. ent. U. S. dep. agric., xxv, 9-26, figs. 1-3, map, pl. 1, figs. 1-5 (1891). — PIERCE, Ins. life, iv, 80 (1891). — OSB.-GOSS, Bull. Iowa exp. st., xiv, 174-175 (1891). — RIL., Ins. life, iv, 323 (1892).

turnbulli THOM., Ann. rep. U. S. geol. surv. terr., v, 452-453, pl. 2, fig. 10 (1872), *Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 11, fig. 10 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 158 (1873), *Id.*; Rep. U. S. ent. comm., i, 42 (1878). — SCUND., Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Pac. coast*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884).

viridis THOM., Ann. rep. U. S. geol. surv. terr., v, 450-451, pl. 2, fig. 3 (1872), *Col., Wyo., Kans.* — GLOV., Ill. N. A. ent., Orth., pl. 11, fig. 3 (1872).

volucris DODGE, Can. ent., ix, 112 (1877), *Nebr.* — BRUN., Ibid., ix, 145 (1877), *Id.* — THOM., Rep. U. S. ent. comm., i, 43 (1878), *Id.* — BRUN., Ibid., iii, 60 (1883), *Id.*

yarrowi THOM., Rep. U. S. geol. surv. w. 100 mer., v, 894-895, pl. 45, fig. 5 (1875), *West. U. S.*; Rep. U. S. ent. comm., i, 43 (1878), *Ariz., Nev.* — BRUN., Ibid., iii, 60 (1883), *Id.*

Caloptenus (*Hesperotettix*)

picticornis THOM., Proc. Dav. acad. nat. sc., ii, 124-125, pl. 4, figs. 1, 2 (1877), *Ariz.*

Caloptenus (Melanoplus)

bilituratus CAULF., Can. rec. sc., ii, 401 (1887), *Souris Riv., Vanc.*; Can. Orth., 13 (1887), *Id.*

femoratus CAULF., Can. rec. sc., ii, 401 (1887), *Can.*; Can. Orth., 14 (1887), *Id.*

femur rubrum CAULF., Can. rec. sc., ii, 401 (1887), *Can.*; Can. Orth., 14 (1887), *Id.*

parvus CAULF., Can. rec. sc., ii, 401 (1887), *Quebec*; Can. Orth., 14 (1887), *Id.*

repletus CAULF., Can. rec. sc., ii, 401 (1887), *Vanc.*; Can. Orth., 13 (1887), *Id.*

scriptus CAULF., Can. rec. sc., ii, 401 (1887), *Vanc.*; Can. Orth., 13 (1887), *Id.*

Caloxiphus

championi SAUSS.-PICT., [Callox-on plate] Biol. centr. amer., Orth., 445, pl. 21, figs. 16, 17 (1898), *Guat.*

Calynda

bicuspis STÅL, Rec. Orth., iii, 78 (1875), *Chiriqui.*

Camnula

atrox SCUDN., Hitchc., Rep. geol. N. H., i, 378 (1874), *Pac. coast*; Ann. rep. chief eng., 1876, 509 (1876), *Cala., Nev., Vanc.*; Ann. rep. U. S. geol. surf. w. 100 mer., 1876, 289 (1876), *Id.*; Rep. U. S. ent. comm., ii, App., 25, pl. 17, fig. 9 (1881), *Id.*—BRUN., Ibid., iii, 54, 56 (1883), *Cala., Oreg., Nev., Brit. Amer.*; Bull. div. ent. U. S. dep. agric., ii, 15 (1883), *Ft. McLeod*; Ibid., iv, 55, 56 (1884), *Idaho.*—CAULF., Ann. rep. ent. soc. Ont., xviii, 71 (1888), *Can.*—REDT., Wanderheuschr., 19 (1893), *U. S.*—AYRES, Ins. life, vi, 373 (1894), *Minn.*

obiona. See *Camnula pellucida obiona.*

pellucida SCUDN., Hitchc., Rep. geol. N. H., i, 378 (1874), *N. H., Conn., Ill., Lake Sup.*—THOM., Proc. Davenp. acad. nat. sc., i, 253 (1876), *Col.*; Bull. Ill. mus. nat. hist., i, 66 (1876), *Ill.*; Rep. ent. Ill., ix, 88, 95, 118 (1880), *Id.*—RIL.-THOM., Rep. U. S. ent. comm., ii, 242-257, fig. 10 (1881), *Cala.*—RIL., Amer. nat., xv, 1013 (1881).—BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Me., Mass., etc.*—SAUSS., Prodr. Oedip., 81-82 (1884), *N. E., Penn., Cala.*—RIL., Ent. amer., i, 177 (1885), *Pac. coast.*—BRUN., Can. ent., xvii, 12 (1885), *Wash.*—CAULF., Ibid., xviii, 212 (1886), *Montreal.*—COQ., Rep. U. S. ent., 1885, 297 (1886), *Cala.*—BRUN., Ibid., 1885, 304, 306, 307 (1886), *Yellowstone.*—CAULF., Ann. rep. ent. soc. Ont., xviii, 66, 70 (1888), *Can.*—FERN., Ann. rep. Mass. agric. coll., xxv, 125-126, fig. 17 (1888), *N. E.*; Orth.

N. E., 41-42, fig. 17 (1888), *Id.*—COCK., *Ins. life*, i, 58 (1888).—FLETCH., *Rep. exp. farms Cal.*, 1888, 63 (1889), *Vict.*—PACK., *Psyche*, v, 197 (1889).—RIL., *Ins. life*, ii, 27 (1889), *Utah.*—KOE., *Bull. div. ent. U. S. dep. agric.*, xxii, 94 (1890), *Cala.*—BRUN., *Ibid.*, xxii, 104 (1890), *Utah*; *Ins. life*, iv, 19-20, 146 (1891), *Idaho*; *Rep. ent. soc. Ont.*, xxii, 47 (1891).—RIL., *Rep. U. S. ent.*, 1890, 262 (1891); *Bull. div. ent. U. S. dep. agric.*, xxv, 32-33, fig. 10 (1891).—MCNEILL., *Psyche*, vi, 63 (1891), *Ill.*—BRUN., *Bull. div. ent. U. S. dep. agric.*, xxvii, 12-29 (1892).—COQ., *Ibid.*, xxvii, 40 (1892), *Cala.*—RIL., *Ins. life*, iv, 323 (1892).—BRUN., *Bull. div. ent. U. S. dep. agric.*, xxviii, 34-36, figs. 18ab (1893), *N. A., num. loc.*—RIL., *N. A. fauna*, vii, 252 (1893), *Cala.*—BRUN., *Bull. div. ent. U. S. dep. agric.*, xxx, 35 (1893), *Nebr.*; *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Id.*; *Rep. Nebr. st. bd. agric.*, 1893, 463, fig. 107 (1893), *Id.*—MILL., *Ins. life*, vi, 19-21 (1893), *Idaho.*—TOWNS., *Ibid.*, vi, 30 (1893), *N. Mex., Ariz.*—COCK., *Trans. amer. ent. soc.*, xx, 337 (1894), *Col.*—BRUN., *Rep. st. hort. soc. Nebr.*, 1894, 163 (1894).—MORSE., *Psyche*, vii, 105 (1894), *N. E.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 296 (1894), *Conn.*—BRUN., *Nebr. st. hort. rep.*, 1895, 69 (1895).—PIERS., *Trans. Nova Sc. inst. sc.*, ix, 214 (1896), *Nova Scotia.*—LINTN., *Rep. st. mus. N. Y.*, xlix, 271 (1896).—MORSE., *Psyche*, viii, 8, 35, 80, pl. 2, figs. 20, 20a (1897), *N. E.*—BRUN., *Bull. div. ent. U. S. dep. agric.*, n. s., vii, 33, 34 (1897), *Wyo., Utah, Snake Riv.*—HARV.-KNIGHT., *Psyche*, viii, 78 (1897), *Me.*—SCUDD., *Ibid.*, viii, 100 (1897), *N. H.*—BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 108, 123-124, 131, figs. 25, 26 (1897), *Nebr.*—SCUDD., *Appal.*, viii, 307 (1898), *Can. and north. U. S.*; *Alp. Orth. N. A.*, 9 (1898), *Id.*—LUGG., *Orth. Minn.*, 148-150, figs. 87, 88 (1898), *Minn.*—WALK., *Can. ent.*, xxx, 259-260 (1898), *Ont. to Vanc.*—MORSE., *Psyche*, viii, 317-318, 319, 320 (1899), *N. E.*—BRUN., *Rep. Nebr. st. hort. soc.*, 1899, 133 (1899); *Rep. Nebr. bd. agric.*, 1899, 271 (1899), *Nebr.*—SCUDD., *Cat. Orth. U. S.*, 32 (1900), *Northernm. U. S. and Can., Atl. to Pac.*; *Psyche*, ix, 101 (1900), *N. E.*; *Ibid.*, ix, 124 (1900), *N. Mex., Ariz.*

See also *Oedipoda* (*Camnula*) *pellucida*.

pellucida obiona COCK., *Trans. amer. ent. soc.*, xx, 337 (1894), *Col.*

tricarinata STÅL., *Rec. Orth.*, i, 120-121 (1873), *Vanc.*—THOM., *Rep. U. S. geol. surv. w. 100 mer.*, v, 875 (1875), *West. U. S., Vanc.*—RIL.-THOM., *Rep. U. S. ent. comm.*, ii, 244 (1881).

Camptonotus

carolinensis SCUDD., *Cat. Orth. U. S.*, 79 (1900), *Md. to Car.*

scudderi UHL., *Proc. ent. soc. Philad.*, ii, 549-550 (1864), *Md.*—GLOV., *Ill. N. A. ent., Orth.*, pl. 8, fig. 15 (1872).—RIL., *Stand. nat. hist.*, ii, 186 (1884), *Atl. st.*

Campylacantha

acutipennis SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 204 (1897), *West. U. S.*; *Rev. Mel.*, 50-51, pl. 4, fig. 3 (1897), *Tex., Kans.*; *Cat. Orth. U. S.*, 49 (1900), *Kans. to Tex.*

olivacea SCUDD., Proc. amer. acad. arts. sc., xxxii, 204 (1897), *West. U. S.*; Rev. Mel., 50, 51-52, pl. 4, fig. 4 (1897), *Nebr., Kans., Tex.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — McNEILL, Psyche, viii, 334 (1899), *Ark., Ind. Terr.* — SCUDD., Cat. Orth., U. S., 49 (1900), *Nebr. to Tex.*

similis SCUDD., Rev. Mel., 50, 52, pl. 4, fig. 5 (1897), *Mex.*

vivax SCUDD., Proc. amer. acad. arts. sc., xxxii, 204 (1897), *West. U. S.*; Rev. Mel., 50, 52-53, pl. 4, fig. 6 (1897), *N. Mex.*; Cat. Orth. U. S., 49 (1900), *Id.*

Capnobotes

bruneri SCUDD., Can. ent., xxix, 74 (1897), *Cal.*; Cat. Orth. U. S., 76 (1900), *Id.*

fuliginosus SCUDD., Can. ent., xxix, 74 (1897), *Ariz.*; Cat. Orth. U. S., 76 (1900), *Id.*

imperfectus REHN, Trans. amer. ent. soc., xxvii, 89-90 (1900), *Mex.*

occidentalis SCUDD., Can. ent., xxix, 74 (1897), *Cal., Nev., Utah*; Cat. Orth. U. S., 76 (1900), *Id.*

Capucina

cucullata SAUSS., Soc. ent., viii, 67 (1893), *Amer. centr.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 103, pl. 6, fig. 13 (1893), *Nicar.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 48 (1900), *Costa Rica.*

Carcinophora

robusta BORM., Biol. centr. amer., Orth., 4 (1893), *Costa Rica, Colombia, Ecuador*; Schultze, Tierreich, xi, 40 (1900), *Id.*

Cardioptera

See Mantis (Cardioptera).

Caulonia

poeyi BOL., Mém. soc. zool. France, i, 137-138 (1888), *Cuba*; Orth. Cuba, 22-23 (1888), *Id.* — GUNDL., Ent. cub., ii, 327 (1890), *Id.*

triedrica BOL., Mém. soc. zool. France, i, 138-139 (1888), *Cuba*; Orth. Cuba, 23-24 (1888), *Id.* — GUNDL., Ent. cub., ii, 328 (1890), *Id.*

Caulopsis

cuspidata REDT., Verh. zool.-bot. ges. Wien., 1891, 377 (1891), *Surinam, Paramaribo, Cayenne, Cuba.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii,

pt. 3, 66, pl. 3, fig. 6 (1895), *Nicar.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 211, 218 (1896). — SAUSS.-PICT., *Biol. centr. amer.*, Orth., 388 (1898), *Mex., Guiana, Venez., Cuba.* — GRIFF., *Tent. cat. Conoceph.*, 5 (1899), *Cuba.*

gracilis REDT., *Verh. zool.-bot. ges. Wien.*, 1891, 377, pl. 3, figs. 25ab (1891), *Cuba, Brazil, Buenos Aires, Montevideo, Rosario.*

prora SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 212, 218 (1896), *Nicar.* — GRIFF., *Tent. cat. Conoceph.*, 5 (1899), *Id.*

Cecentromenus

marmoratus BRUNN., *Mon. Pseudoph.*, 221, pl. 8, fig. 97 (1895), *Chiriqui.* — SAUSS.-PICT., *Biol. centr. amer.*, Orth., 439 (1898), *Id.*

Celidophylla

albimacula SAUSS.-PICT., *Biol. centr. amer.*, Orth., 451, pl. 22, figs. 3-5 (1898), *Nicar.*

Cephalotettix

parvulus SCUDD., *Rev. Mel.*, 31, pl. 3, fig. 1 (1897), *Mex.*

Ceraia

peraccae GRIFF., *Boll. mus. zool. univ. Tor.*, xi, no. 232, 10-11 (1896), *Darien.* — SAUSS.-PICT., *Biol. centr. amer.*, Orth., 322-323 (1897), *Id.*

Ceratinoptera

diaphana BRUNN., *Blatt.*, 76 (1865), *W. I., St. Thom.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 20, pl. 1, fig. 17 (1870), *Id.* — SCUDD., [Ceratop-] Jones, *Guide Berm.*, 144 (1876), *Bermuda.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, Orth., 48, pl. 3, figs. 27-29 (1893), *Antill.*

lutea SAUSS.-ZEHNTN., *Biol. centr. amer.*, Orth., 48-49 (1893), *Geo., La.* — SCUDD., *Cat. Orth. U. S.*, 8 (1900), *Gulf States.*

olmeca SAUSS., *Rev. mag. zool.*, (2), xx, 354 (1868), *Mex.*; *Miss. scient. Mex.*, *Rech. zool.*, 20-21, pl. 1, figs. 17a, 17b (1870), *Id.* — WALK., *Cat. Derm. salt. Brit. mus.*, v, *Suppl. cat. Blatt.*, 17 (1871), *Id.* — BOL., *Anal. soc. esp. hist. nat.*, x, 464 (1881), *Peru, Mex.*; *Not. ent.*, 18 (1881), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, Orth., 48 (1893), *Mex.*

porcellana BRUNN., *Blatt.*, 79 (1865), *Cuba.*

Ceroys

laciniatus WESTW., *Thes. ent. oxon.*, 174, pl. 32, fig. 4 (1874), *Nicar.*

mexicanus SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 167, pl. 4, figs. 17, 17a (1872), *Mex.*

Ceuthophilus

agassizii SCUDD., Bost. journ. nat. hist., vii, 439 (1862), *Wash.* — WALK., Cat. Derm. salt. Brit. mus., i, 202 (1869), *Geo.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 309 (1888), *Geo.*, *Wash.*; Mon. Stenop., 65 (1888), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxx, 27, 81-82 (1894), *Wash.*, *Vanc.*, *Brit. Col.* — SAUSS.-PICT., Biol. centr. amer., Orth., 299 (1897), *Wash.*, *Geo.* — SCUDD., Can. ent., xxxi, 118 (1899), *Vanc.*, *Brit. Col.*, *Oreg.*; Cat. Orth. U. S., 81 (1900), *Brit. Col.*, *Wash.*

alpinus SCUDD., Proc. amer. acad. arts sc., xxx, 30, 78-79 (1894), *Col.*; Appal., viii, 318, pl. 44, figs. 5, 6 (1898), *Id.*; Alp. Orth. N. A., 20, pl. 44, figs. 5, 6 (1898), *Id.*; Cat. Orth. U. S., 81 (1900), *Id.*

arizonensis SCUDD., Proc. amer. acad. arts sc., xxx, 26, 52-53 (1894), *Utah*, *Ariz.*, *N. Mex.*, *Cape St. Lucas*; Cat. Orth. U. S., 81 (1900), *Id.*

aztecus SAUSS.-PICT., [Ceuto- on plate] Biol. centr. amer., Orth., 300, pl. 14, fig. 23 (1897), *Mex.*

bicolor SCUDD., Proc. amer. acad. arts sc., xxx, 28, 72-73 (1894), *Ky.*; Cat. Orth. U. S., 81 (1900), *Id.*

bilobatus THOM., Ann. rep. U. S. geol. surv. terr., v, 437 (1872), *Calif.*

blatchleyi SCUDD., Proc. amer. acad. arts sc., xxx, 26, 57-58 (1894), *Ind.*, *N. Y.* — BEUT., Bull. amer. mus. nat. hist., vi, 288 (1894), *N. Y.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — LUGG., Orth. Minn., 249-251 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 81 (1900), *N. Y.*, *Ind.*, *Minn.*, *Iowa.* — SMITH, [Ceuto-] Ins. N. J., 160 (1900), *N. J.*

brevipes SCUDD., Bost. journ. nat. hist., vii, 434-435 (1862), *Grand Menan.* — WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Me.* — PROXY., Nat. can., viii, 75 (1876), *Can.* — FERN., Ann. rep. Mass. agric. coll., xxy, 103 (1888), *N. E.*; Orth. N. E., 19 (1888), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 148 (1894), *Ind.* — SCUDD., Proc. amer. acad. arts sc., xxx, 26, 49-50 (1894), *Grand Menan*, *N. Br.*, *Ind.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., Cat. Orth. U. S., 81 (1900), *N. Br. to Ind.*; Psyche, ix, 104 (1900), *N. E.*

bruneri SCUDD., Proc. amer. acad. arts sc., xxx, 29, 79-80 (1894), *Nebr.*, *Kans.*, *Tex.*, *Iowa*; Cat. Orth. U. S., 81 (1900), *Iowa to Tex.*

caecus SCUDD., Proc. amer. acad. arts sc., xxx, 28, 60-61 (1894), *Ky.*, *Mo.*; Cat. Orth. U. S., 81 (1900), *Id.*

californianus SCUDD., Bost. journ. nat. hist., vii, 438 (1862), *Calif.* — WALK., Cat. Derm. salt. Brit. mus., i, 202 (1869), *Calif.*, *Vanc.* — SCUDD., Proc. amer. acad. arts sc., xxx, 30, 93-95 (1894), *Calif.*, *Utah*, *Ariz.*; Can. ent., xxxi, 119 (1899), *Oreg.*; Cat. Orth. U. S., 81 (1900), *Oreg.*, *Calif.*, *Utah*, *Ariz.*

castaneus THOM., Ann. rep. U. S. geol. surv. terr., v, 435-436 (1872), *Calif.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 17 (1874). — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Vict.*

celatus SCUDD., Proc. amer. acad. arts sc., xxx, 26, 48-49 (1894), *Cala.*; Can. ent., xxxi, 118 (1899), *Vict., Oreg.*; Cat. Orth. U. S., 81 (1900), *Brit. Col. to Cala.*

corticicola SCUDD., Proc. amer. acad. arts sc., xxx, 25, 41-42 (1894), *Tex.*; Cat. Orth. U. S., 81 (1900) *Id.*

crassus SCUDD., Proc. amer. acad. arts sc., xxx, 30, 85-86 (1894), *Southw. st.*; Cat. Orth. U. S., 81 (1900), *Id.*

cubensis WALK., Cat. Derm. salt. Brit. mus., i, 204 (1869), *Cuba.*

denticulatus SCUDD., Ann. rep. chief. eng., 1876, 499-500 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279-280 (1876), *Id.*

devius SCUDD., Proc. amer. acad. arts sc., xxx, 30, 99-100 (1894), *Upper Missouri, Nebr., Kans.*; Cat. Orth. U. S., 82 (1900), *Id.*

discolor SCUDD., Proc. amer. acad. arts sc., xxx, 29, 88-90 (1894), *Nebr., Kans.*; Cat. Orth. U. S., 82 (1900), *Id.*

divergens SCUDD., Bost. journ. nat. hist., vii, 436-437 (1862), *Nebr.*—WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Id.*—THOM., Proc. acad. nat. sc. Philad., 1870, 77 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 269 (1871), *Col., Wyo.*; Bull. U. S. geol. surv. terr., iv, 485 (1878), *Dak., Mont.*—RIL., Stand. nat. hist., ii, 184 (1884), *Iowa, Nebr.*—OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.*—BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.*—BLATCHL., Proc. Ind. acad. sc., 1892, 153 (1894), *Nebr., Iowa.*—SCUDD., Proc. amer. acad. arts sc., xxx, 28, 76-77 (1894), *Nebr.*; Cat. Orth. U. S., 82 (1900), *Id.*

ensifer PACK, Amer. nat., xv, 882, pl. 7, figs. 4, 4ab (1888), *Tenn.*; Mem. nat. acad. sc., iv, 71-72, 83, figs. 17, 17ab (1888), *Id.*—BLATCHL., Proc. Ind. acad. sc., 1892, 153 (1894), *Ky.*—SCUDD., Proc. amer. acad. arts sc., xxx, 24, 32-33 (1894), *Tenn.*; Cat. Orth. U. S., 82, (1900), *Id.*

fusiformis SCUDD., Proc. amer. acad. arts sc., xxx, 28, 62-63 (1894), *Nebr.*; Cat. Orth. U. S., 82 (1900), *Id.*

gracilipes SCUDD., Bost. journ. nat. hist., vii, 439 (1862), *Ill., N.Y., N. J.*—WALK., Cat. Derm. salt. Brit. mus., i, 202 (1869), *Id.*—SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1872), *Nebr.*—BRUNN., Verh. zool.-bot. ges. Wien, 1888, 306-307 (1888), *Ill., N. Y., N. J., Geo., Col.*; Mon. Stenop., 62-63 (1888), *Id.*—SMITH, Cat. ins. N. J., 409 (1890), *N. J.*—MCNEILL, Psyche, vi, 27 (1891), *Ill.*—SCUDD., Proc. amer. acad. arts sc., xxx, 24, 35-36 (1894), *Id., N. J., N. Y., Fla., Ill., Nebr., Minn., Manit.*—BEUT., Bull. amer. mus. nat. hist., vi, 285-286 (1894), *N. Y.*—SAUSS.-PICT., Biol. centr. amer., Orth., 299 (1897), *Ill., N. Y., N. J., Geo., Col.*—LUGG., Orth. Minn., 251-252 (1898), *Minn.*—SCUDD., Cat. Orth. U. S., 82 (1900), *East. U. S., Manit.*—SMITH, [Cento-] Ins. N. J., 160 (1900), *N. J.*

grandis SCUDD., Proc. amer. acad. arts sc., xxx, 24, 38-39 (1894), *Tenn.*—BEUT., Bull. amer. mus. nat. hist., vi, 286, pl. 5, fig. 17 (1894), *N. Y.*—SCUDD., Cat. Orth. U. S., 82 (1900), *Tenn., N. Y.*—SMITH, [Cento-] Ins. N. J., 160 (1900) *N. J.*

henshawi SCUDD., Proc. amer. acad. arts sc. xxx, 30, 97-99 (1894), *Cala.*

Oreg., Wash., Vanc.; Can. ent., xxxi, 121 (1899), *Wash.*; Cat. Orth. U. S., 82 (1900), *Brit. Col. to Cala.*

heros SCUDD., Proc. amer. acad. arts sc., xxx, 26, 54-56 (1894), *N. C., D. C.*; Cat. Orth. U. S., 82 (1900), *Id.*

inquinatus SCUDD., Proc. amer. acad. arts sc., xxx, 27, 87-88 (1894), *Nebr.*; Cat. Orth. U. S., 82 (1900), *Id.*

lapidicola SCUDD., Bost. journ. nat. hist., vii, 435 (1862), *Md., Penn., Geo.* WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Md., Penn., Geo., Ind.* — GLOV., Ill. N. A. ent., Orth., pl. 7, figs. 4, 5 (1872). — PROV., Nat. can., viii, 75 (1876), *Can.* — RIL., Stand. nat. hist., ii, 184 (1884), *Penn. southw.* — BRUN., Verh. zool.-bot. ges. Wien., 1888, 307-308 (1888), *Geo.*; Mon. Stenop., 63-64 (1888), *Id.* — SMITH, Cat. ins. N. J., 409 (1890), *N. J.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. soc. iii, 32 (1893). — BLATCHL., Proc. Ind. acad. sc., 1892, 147-148 (1894), *Ind.* — SCUDD., Proc. amer. acad. arts sc., xxx, 26, 50-51 (1894), *N. C., Penn.* — BEUT., Bull. amer. mus. nat. hist., vi, 288 (1894), *Penn. southw.* — SAUSS.-PIET., Biol. centr. amer., Orth., 299 (1897), *Geo.* — LUGG., Orth. Minn., 251, fig. 164 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 82 (1900), *N. Y. to S. C.* — SMITH, [Ceuto-] Ins. N. J., 160 (1900); *N. J.*

latebricola SCUDD., Proc. amer. acad. arts sc., xxx, 24, 37-38 (1894), *Ky., W. Va., D. C., Penn.*; Cat. Orth. U. S., 82 (1900), *Penn. to W. Va. and Ky.*

latens SCUDD., Bost. journ. nat. hist., vii, 437 (1862), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., i, 202 (1869), *Id.* — MCNEILL, Psyche, vi, 27 (1891), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 143-144 (1894), *Ind.* — SCUDD., Proc. amer. acad. arts sc., xxx, 29, 64-66 (1894), *N. Y., Ind., Ill., Tex.* — BEUT., Bull. amer. mus. nat. hist., vi, 288 (1894), *N. Y., etc.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., Cat. Orth. U. S., 82 (1900), *N. Y. to Tex.* — SMITH, [Ceuto-] Ins. N. J., 160 (1900), *N. J.*

latibuli SCUDD., Ins. life, vi, 313-314 (1894), *Fla., Geo.*; Proc. amer. acad. arts sc., xxx, 25, 44-45 (1894), *Id.*; Cat. Orth. U. S., 82 (1900), *Id.*

latipes SCUDD., Proc. amer. acad. arts sc., xxx, 27, 95-96 (1894), *Mex.*

latisulcus BLATCHL., Proc. Ind. acad. sc., 1892, 146 (1894), *Ind.*

maculatus SCUDD., Bost. journ. nat. hist., vii, 434 (1862), *Mass., Me., Vt., Anticosti.* — PACK., Rep. nat. hist. Me., 1862, 196 (1862), *Me.*; How to collect, 56 (1862), *Id.* — SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me., N. Br.* — WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Nova Scotia.* — PACK., Guide ins., 565 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 23 (1871), *Mass.* — SMITH, Rep. Conn. bd. agric., 1872, 359, 380 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 3, fig. 5 (1872). — WALK., [Ontho-] Can. ent., iv, 30 (1872), *Nova Scotia.* — SCUDD., Hitchc., Rep. geol. N. H., i, 366 (1874), *N. E. s. to Md.* — PROV., [Ceuto-] Nat. can., viii, 75, fig. 5 (1876), *Can.*; [Ceuto-] Faune ent. Can., ii, 27, fig. 4 (1877), *Id.* — PUTN., Proc. Davenp. acad. nat. sc., ii, 11 (1877). — BOL., [Ceuto-] Ann. soc. ent. France, (5), ix, 72 (1880). — RIL., Stand. nat. hist., ii, 184, fig. 259 (1884),

- N. E.* — BRUN., Bull. Washb. coll., i, 126 (1885), *Kans.* — CAULF., [-losus] *Can. ent.*, xviii, 212 (1886), *Montreal.*; *Can. rec. sc.*, ii, 394-395 (1887), *Can.*; *Can. Orth.*, 7 (1887), *Id.*; *Rep. ent. soc. Ont.*, xviii, 63, 69 (1888). — BRUNN., *Verh. zool.-bot. ges. Wien.*, 1888, 307 (1888), *Mass.*, *Vt.*, *Me.*, *Anticosti*, *Mo.*; *Mqn. Stenop.* 63 (1888), *Id.* — PACK., *Mem. nat. acad. sc.*, iv, 72, 116 (1888), *N. Y.*, *Mass.* — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 103 (1888), *N. E.*; *Orth. N. E.*, 19 (1888), *Id.* — PACK., *Psyche*, v, 198 (1889). — DAV., *Ent. amer.*, v, 80 (1889), *Staten Is.* — SMITH, *Cat. ins. N. J.*, 409 (1890), *N. J.* — CHARLT., *Ent. news*, i, 64 (1890), *Col.* — COCK., *Can. ent.*, xxii, 76 (1890), *Id.* — McNEILL, *Psyche*, vi, 27 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 32 (1893), *Nebr.* — TOWNS., *Ins. life*, vi, 58 (1893), *Col.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 142-143, (1894), *Ind.* — COCK., *Trans. amer. ent. soc.*, xx, 336 (1894), *Col.* — SCUDD., *Proc. amer. acad. arts sc.*, xxx, 27, 68-70 (1894), *Montreal*, *N. H.*, *N. Y.*, *Mich.*, *Me.*, *Mass.*, *Conn.*, *N. J.*, *Ill.*, *Ind.*, *Iowa.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 287-288 (1894), *N. Y.* — BLATCHL., *Orth. Ind.*, 23 (1897), *Ind.*; *Rep. geol. Ind.*, 1896, 138 (1897), *Id.* — HARV.-KNIGHT, *Psyche*, viii, 77 (1897), *Me.* — LUGG., *Orth. Minn.*, 249, fig. 163 (1898), *Minn.* — BLATCHL., *Gleanings*, 222, fig. 53 (1899), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 82-83 (1900), *North. U. S. and Can.*, *e. Gr. Plains.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 45 (1900), *Mass.* — SCUDD., *Psyche*, i, 104 (1900), *N. E.* — SMITH, [Ceuto-] *Ins. N. J.*, 160 (1900), *N. J.*
- **maculosus.** See *Ceuthophilus maculatus*.
- **meridionalis** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 27, 66-67 (1894), *Chihuahua*.
- **mexicanus** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 29, 82-83 (1894), *Coahuila*.
- neglectus** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 30, 67-68 (1894), *N. Y.*, *Vt.*, *N. H.*, *Mass.*, *Penn.*, *Md.*, *D. C.*, *Va.*, *W. Va.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 287 (1894), *N. Y.* — SCUDD., *Cat. Orth. U. S.*, 83 (1900), *N. E. to Va.*; *Psyche*, ix, 104 (1900), *N. E.* — SMITH, [Ceuto-] *Ins. N. J.*, 160 (1900), *N. J.*
- **neomexicanus** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 30, 100-101 (1894), *N. Mex.*; *Cat. Orth. U. S.*, 83 (1900), *Id.*
- niger** SCUDD., *Bost. journ. nat. hist.*, vii, 437-438 (1862), *Ill.* — WALK., *Cat. Derm. salt. Brit. mus.*, i, 202 (1869), *Id.* — McNEILL, *Psyche*, vi, 27 (1891), *Id.* — BLATCHL., *Proc. Ind. acad. sc.*, 153 (1894), *Id.*
- nigricans** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 28, 61-62 (1894), *Ky.*; *Cat. Orth. U. S.*, 83 (1900), *Id.*
- nodulosus** BRUNN., *Verh. zool.-bot. ges. Wien.*, 1888, 308, fig. 33A (1888), *Tex.*; *Mon. Stenop.*, 64, fig. 33A (1888), *Id.* — SCUDD., *Proc. amer. acad. arts sc.*, xxx, 27, 73-74 (1894), *Tex.*, *Kans.*, *Nebr.* — SAUSS.-PCT., *Biol. centr. amer.*, *Orth.*, 299 (1897), *Tex.* — SCUDD., *Cat. Orth. U. S.*, 83 (1900), *Nebr. to Tex.*
- occultus** SCUDD., *Proc. amer. acad. arts sc.*, xxx, 28, 77-78 (1894), *Geo.*; *Cat. Orth. U. S.*, 83 (1900), *Id.*

pacificus THOM., Ann. rep. U. S. geol. surv. terr., v, 436-437 (1872), *Cal.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 8 (1872). — SCUDD., Proc. amer. acad. arts sc., xxx, 30, 96-97 (1894), *Cal.*, *Nev.*; Can. ent., xxxi, 119 (1899), *Id.*; Cat. Orth. U. S., 83 (1900), *Id.*

pallescens BRUN., Can. ent., xxiii, 37-38 (1891), *Nebr.*; Publ. Nebr. acad. sc., iii, 32 (1893), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxx, 30, 83-84 (1894), *Nebr.*, *Wyo.*; Cat. Orth. U. S., 83 (1900), *Id.*

pallidus THOM., Ann. rep. U. S. geol. surv. terr., v, 434-435 (1872), *Col.*, *Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 18 (1874). — THOM., Proc. Davenport. acad. nat. sc., i, 264 (1876), *Col.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 261 (1876), *Id.*; Ann. rep. chief eng., 1876, 499 (1876), *Col.*, *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279 (1876), *Id.* — BRUN., Bull. Washb. coll., i, 126 (1885), *Kans.*; *Ibid.*, i, 194-195 (1886), *Id.* — COCK., Ent., xxi, 301 (1888), *Col.* — TOWNS., Can. ent., xxiv, 197-198 (1892), *N. Mex.* — RIL., Ins. life, v, 282-283 (1893), *Id.* — TOWNS., *Ibid.*, vi, 58 (1893), *Col.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — SCUDD., Proc. amer. acad. arts sc., xxx, 28, 90-91 (1894), *Dak.*, *Col.*, *N. Mex.*, *Wyo.*; Cat. Orth. U. S., 83 (1900), *Rocky Mt. region.*

palmeri SCUDD., Proc. amer. acad. arts sc., xxx, 25, 40-41 (1894), *Tex.*; Cat. Orth. U. S., 83 (1900), *Id.* — EIG., Science, n. s., xii, 302 (1900), *Id.*; Proc. amer. ass. adv. sc., xlix, 230 (1900 [1901]), *Id.*

pinguis SCUDD., Proc. amer. acad. arts sc., xxx, 29, 86-87 (1894), *Tex.*; Cat. Orth. U. S., 83 (1900), *Id.*

polluticornis SCUDD., Can. ent., xxxi, 118-119 (1899), *Cal.*; Cat. Orth. U. S., 83 (1900), *Id.*

salebrosus SCUDD., Can. ent., xxxi, 120-121 (1899), *Wash.*; Cat. Orth. U. S., 83 (1900), *Id.*

sallei SCUDD., Proc. amer. acad. arts sc., xxx, 28, 63-64 (1894), *La.*; Cat. Orth. U. S., 83 (1900), *Id.*

scabripes SCUDD., Bost. journ. nat. hist., vii, 436 (1862), *Ala.* — WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxx, 102 (1894), *Id.*; Cat. Orth. U. S., 83 (1900), *Id.*

seclusus SCUDD., Proc. amer. acad. arts sc., xxx, 25, 45-46 (1894), *Iowa*, *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa*. — SCUDD., Cat. Orth. U. S., 83 (1900), *Iowa*, *Nebr.*

secretus SCUDD., Proc. amer. acad. arts sc., xxx, 24, 39-40 (1894), *Tex.*; Cat. Orth. U. S., 84 (1900), *Id.*

silvestris BRUN., Bull. Washb. coll., i, 126-127 (1885), *Kans.* — SCUDD., Proc. amer. acad. arts sc., xxx, 84-85 (1894), *Id.*; Cat. Orth. U. S., 84 (1900), *Id.*

sloanii PACK., Ann. rep. Peab. acad. sc., v, 92-94 (1873), *Ind.*; Mem. nat. acad. sc., iv, 71, 83 (1888), *Ky.* — GARM., Orth. Ky., 6 (1894), *Id.*

spinosus SCUDD., Proc. amer. acad. arts sc., xxx, 27, 58-59 (1894), *Geo.*; Cat. Orth. U. S., 84 (1900), *Id.*

stygius SCUDD., Bost. journ. nat. hist., vii, 438 (1862), *Ky.* — WALK.,

Cat. Derm. salt. Brit. mus., i, 202 (1869), *Id.* — **PACK.**, Guide ins., 565 (1869), *Id.* — **RIL.**, Stand. nat. hist., ii, 184 (1884), *Id.* — **BRUNN.**, Verh. zool.-bot. ges. Wien., 1888, 309 (1888), *Ky., Tex.*; Mon. Stenop., 65 (1888), *Id.* — **PACK.**, Mem. nat. acad. sc., iv, 70-71, 83 (1888), *Ky.* — **BLATCHL.**, Proc. Ind. acad. sc., 1892, 148-149 (1894), *Ind.* — **GARM.**, Orth. Ky., 5; 6 (1894), *Ky.* — **SCUDD.**, Proc. amer. acad. arts sc., xxx, 24, 32-35 (1894), *Ky., Ind.* — **BLATCHL.**, Orth. Ind., 23 (1897), *Ind.*; Rep. geol. Ind., 1896, 126, 133, 170, 171, 173, 174, 198-200 (1897), *Id.* — **SAUSS.-PICR.**, Biol. centr. amer., Orth., 299 (1897), *Nebr., Ky., Tex., etc.* — **BLATCHL.**, Gleanings, 175-176 (1899), *Ind.* — **SCUDD.**, Cat. Orth. U. S., 84 (1900), *Ky., Ind.*

tenebrarum **SCUDD.**, Proc. amer. acad. arts sc., xxx, 29, 70-72 (1894), *Ill., Ky., N. C., Ohio*; Cat. Orth. U. S., 84 (1900), *Ill. to N. C.*

terrestris **SCUDD.**, Proc. amer. acad. arts sc., xxx, 26, 46-47 (1894), *Manit., N. Y., N. H., Me., Mass., Ind., Anticosti.* — **BEUT.**, Bull. amer. mus. nat. hist., vi, 288 (1894), *N. Y., etc.* — **BLATCHL.**, Orth. Ind., 23 (1897), *Ind.* — **SCUDD.**, Appal., viii, 318 (1898), *Mt. Washington, N. E. to Ind. and Anticosti*; Alp. Orth. N. A., 20 (1898), *Id.*; Cat. Orth. U. S., 84 (1900), *North. U. S. and Can., e. Miss. Riv.*; Psyche, ix, 104 (1900) *N. E.*, — **SMITH**, [Ceuto-] Ins. N. J., 160 (1900) *N. J.*

testaceus **SCUDD.**, Proc. amer. acad. arts sc., xxx, 30, 92-93 (1894), *Nebr., Wyo., Mo.*; Can. ent., xxxi, 119 (1899), *Cal.*; Cat. Orth. U. S., 84 (1900), *Mo., Nebr., Wyo., Cal.*

uhleri **SCUDD.**, Bost. journ. nat. hist., vii, 435-436 (1862), *Md.* — **WALK.**, Cat. Derm. salt. Brit. mus., i, 201 (1869), *Id.* — **GLOV.**, Ill. N. A. ent., Orth., pl. 8, fig. 8 (1872). — **RIL.**, Stand. nat. hist., ii, 184 (1884), *Id.* — **BRUNN.**, Verh. zool.-bot. ges. Wien., 1888, 308-309 (1888), *Md., Tenn.*; Mon. Stenop., 64-65 (1888), *Id.* — **SMITH**, Cat. ins. N. J., 409 (1890), *N. J.* — **BRUN.**, Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — **BLATCHL.**, Proc. Ind. acad. sc., 1892, 144-145 (1894), *Ind.* — **SCUDD.**, Proc. amer. acad. arts sc., xxx, 26, 56-57 (1894), *Md., Ind., Geo., N. J., Tenn.* — **BEUT.**, Bull. amer. mus. nat. hist., vi, 286-287 (1894), *N. Y.* — **DAV.**, Proc. nat. sc. ass. Staten Is., v, 97 (1896), *Staten Is.* — **BLATCHL.**, Orth. Ind., 23 (1897), *Ind.* — **SCUDD.**, Cat. Orth. U. S., 84 (1900), *Middle st.* — **SMITH**, [Ceuto-] Ins. N. J., 160 (1900) *N. J.*

uniformis **SCUDD.**, Proc. amer. acad. arts sc., xxx, 26, 53-54 (1894), *N. Mex., Col., Nebr., Kans.*; Cat. Orth. U. S., 84 (1900), *Nebr. to N. Mex.*

unispinosus **BRUNN.**, Verh. zool.-bot. ges. Wien., 1888, 308 (1888), *Cal.*; Mon. Stenop., 64 (1888), *Id.*

utahensis **THOM.**, Proc. Davenp. acad. nat. sc., i, 264, pl. 36, fig. 8 (1876), *Utah.* — **SCUDD.**, Proc. amer. acad. arts sc., xxx, 102, 112-113 (1894), *Id.*; Cat. Orth. U. S., 84 (1900), *Id.*

valgus **SCUDD.**, Proc. amer. acad. arts sc., xxx, 27, 74-75 (1894), *Col.*; Appal., viii, 318, pl. 44, figs. 3, 4 (1898), *Id.*; Alp. Orth. N. A., 20, pl. 44, figs. 3, 4 (1898), *Id.*; Cat. Orth. U. S., 84 (1900), *Id.*

varicator **SCUDD.**, Proc. amer. acad. arts sc., xxx, 25, 42-43 (1894), *Tex.*; Cat. Orth. U. S., 84 (1900), *Id.*

variegatus SCUDD., Proc. amer. acad. arts sc., xxx, 24, 31-32 (1894), *Tex., Mex.*; Cat. Orth. U. S., 84 (1900), *Tex.*

vinculatus SCUDD., Proc. amer. acad. arts sc., xxx, 20, 91-92 (1894), *Nev., Mont., Nebr., Cala., Wash.*; Can. ent., xxxi, 119 (1899), *Cala., Wash.*; Cat. Orth., U. S., 84 (1900), *Mont. and Nebr. to Cala. and Wash.*

zonarius WALK., Cat. Derm. salt. Brit. mus., i, 203 (1869), *Vand.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.*

Championica

montana SAUSS.-PICT., Biol. centr. amer., Orth., 405-406, pl. 20, fig. 1 (1898), *Pan.*

Chelidura

vara BORM., Schultze, Tierreich, xi, 106 (1900), *Mex.*

Chelisoches

morio BURR, Ann. soc. ent. Belg., xlv, 51 (1900), *Java, Ceylon, Celebes, India, N. A. ?*

Chimarocephala

behrensi SAUSS., Prodr. Oed., 75 (1884), *Cala.* — SCUDD., Cat. Orth. U. S., 31 (1900), *Id.*

brevipennis SCUDD., Ann. rep. chief eng., 1876, 508 (1876). — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Cala.*

cubensis SCUDD., Ann. rep. chief eng., 1876, 508 (1876).

infuscata BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *U. S. e. Rocky Mts.*

obiona BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Col.*

otomita SAUSS., Prodr. Oed., 75-76 (1884), *Mex.*

pacifica SCUDD., Ann. rep. chief eng., 1876, 508 (1876); Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 288 (1876); Rep. U. S. ent. comm., ii, App., 25 (1881), *Cala.* — BRUN., Ibid., iii, 56 (1883), *Id.* — SAUSS., Prodr. Oed., 75 (1884), *Id.* — COQ., Ins. life, i, 228 (1889), *Id.* — SCUDD., Cat. Orth. U. S., 31 (1900), *Id.*

viridifasciata SCUDD., Ann. rep. chief eng., 1876, 508 (1876), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 288 (1876), *Id.*; Proc. Bost. soc. nat. hist., xix, 89 (1877), *Fla.*; Ent. notes, vi, 30 (1878), *Id.*; Psyche, ii, 154 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *U. S.*; Bull. Washb. coll., i, 131-132 (1885), *Kans.* — LINTN., Rep. ins. N. Y., ii, 187-198, figs. 54ab (1885), *N. Y.* — SMITH, Bull. N. J. exp. st., K., 41 (1890). — SCUDD., Rep. ent. soc. Ont., xxiii, 76 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 463 (1893) *Id.*; Ibid., 1896, 130-131, figs. 30ab (1897), *Id.*

Chiriquia

serrata MORSE, Biol. centr. amer., Orth., ii, 7, fig. (1900), *Nicar., Pan.*

Chloealtis

abdominalis BRUN., Can. ent., xvii, 10 (1885), *Wash.*—MCNEILL, Proc. Davenport acad. nat. sc., vi, 228, 229-230 (1897), *Mont.*—BRUN., Ann. rep. • Nebr. bd. agric., 1896, 128 (1897), *Nebr.*, *Wyo.*, *Mont.*, *S. Dak.*, *Idaho.*—WALK., Can. ent., xxxi, 35-36 (1899), *Ont.*—SCUDD., Cat. Orth. U. S., 25 (1900), *North. U. S. w. Miss. Riv.*

abortiva. See *Chloealtis conspersa abortiva* and *Locusta* (*Chloealtis*) *abortiva*.

brunnea SCUDD., Proc. Bost. soc. nat. hist., xvii, 510 (1875), *Tex.*; Ent. notes, iv, 84 (1875), *Id.*; Cent. Orth., 22 (1879), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*

canadensis PROV., Nat. can., vii, 135 (1876), *Can.*

conspersa SCUDD., Can. nat., vii, 286 (1862), *Winnipeg*; Bost. journ. nat. hist., vii, 455 (1862), *Id.*, *Mass.*, *N. H.*—SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me.*—PACK., Guide ins., 568 (1869).—SMITH, Rep. Conn. bd. agric., 1872, 375, 382 (1872), *N. E.*—GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 10, pl. 10, fig. 12 (1872).—SCUDD., Hitchc., Rep. geol. N. H., i, 370, figs. 55, 56 (1874), *Me. to Winnipeg*.—THOM., Rep. ent. Ill., ix, 92, 99-100 (1880), *Ill.*—COQ., Rep. U. S. ent., 1885, 296 (1886), *Id.*—CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Can.*—FERN., Ann. rep. Mass. agric. coll., xxv, 119, 120 (1888), *N. E.*; Orth. N. E. 35, 36 (1888), *Id.*—DAV., Ent. amer., v, 81 (1889), *Staten Is.*—SMITH, Cat. ins. N. J., 411 (1890), *N. J.*—TOWNS., Proc. ent. soc. Wash., ii, 44 (1891).—MCNEILL, Psyche, vi, 65 (1891), *Ill.*—SCUDD., Rep. ent. soc. Ont., xxii, 75, figs. 50, 51 (1893).—BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*—MORSE, Psyche, vii, 13-14, 104 (1894), *N. E.*—GARM., Orth. Ky., 8 (1894), *Ky.*—BLATCHL., Can. ent., xxvi, 222 (1894), *Ind.*—BEUT., Bull. amer. mus. nat. hist., vi, 293, pl. 7, fig. 9 (1894), *N. Y.*—MORSE, Psyche, vii, 327, 419-420, pl. 7, figs. 11, 11a (1896), *N. E.*—DAV., Proc. nat. sc. ass. Stat. Isl., v, 97 (1896), *Staten Is.*—MCNEILL, Proc. Dav. acad. nat. sc., vi, 228-229, pl. 3, figs. 14, 14ab (1897), *Can. to Winnipeg*, *Nebr. to N. E.*, *Ohio*, *Ind.*, *Ill.*—SCUDD., Psyche, viii, 99 (1897), *N. H.*—BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 128 (1897), *Nebr.*—BLATCHL., Can. ent., xxx, 63 (1898), *Ind.*—LUGG., Orth. Minn., 121-123, figs. 69, 70 (1898), *Minn.*—WALK., Can. ent., xxx, 124-125 (1898), *Ont.*—MORSE, Psyche, viii, 320 (1899), *N. E.*—MCNEILL, Can. ent., xxxi, 53 (1899), *Ark.*—SCUDD., Cat. Orth. U. S., 25 (1900), *North. U. S. and Can. c. Gr. Plains.*—FOGG, Proc. Manch. inst. arts sc., i, 42 (1900), *N. H.*—SMITH, Ins. N. J., 155 (1900), *N. J.*

See also *Locusta* (*Chloealtis*) *conspersa*.

conspersa abortiva MORSE, Psyche, vii, 104 (1894), *N. E.*

curtipennis PACK., Rep. nat. hist. Me., 1861, 376 (1861), *Me.*—SMITH, Cat. ins. N. J., 412 (1890), *N. J.*—BLATCHL., Can. ent., xxiii, 76 (1891), *Ind.*—OSB.-GOSS, Bull. Iowa exp. st., xv, 267 (1891).—BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*—BLATCHL., Can. ent., xxvi, 222 (1894), *Ind.*

See also *Locusta* (*Chloealtis*) *curtipennis*.

punctulata SCUDD., Bost. journ. nat. hist., vii, 455-456 (1862), *Conn.* — SMITH, Rep. Conn. bd. agric., 1872, 382 (1872), *Id.* — BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — FERN., Ann. rep. Mass. agric. coll., xxv, 119, 120 (1888), *N. E.*; Orth. N. E., 35, 36 (1888), *Id.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.* — MORSE, Psyche, vii, 14 (1894).

See also Chloealetis viridis punctulata.

viridis SCUDD., Bost. journ. nat. hist., vii, 455 (1862), *Conn.* — SMITH, Rep. Conn. bd. agric., 1872, 374, 382 (1872), *N. E.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 11, pl. 10, fig. 5 (1872). — SCUDD., Proc. Bost. soc. nat. hist., xix, 88 (1877), *Fla.*; Ent. notes, vi, 29 (1878), *Id.* — THOM., Rep. ent. Ill., ix, 92, 99 (1880), *Ill.* — BRUN., Rep. U. S. ent. commun., iii, 58 (1883), *Fla., Nebr., Conn., Ill., etc.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — FERN., Ann. rep. Mass. agric. coll., xxv, 119, 120 (1888), *N. E.*; Orth. N. E., 35, 36 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Bull. N. J. exp. st., K, 41 (1890). — MCNEILL, Psyche, vi, 64-65 (1891), *Ill.* — MORSE, Psyche, vii, 14, 104 (1894), *N. E.* — GARM., Orth. Ky., 8 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 292, pl. 7, fig. 10 (1894), *N. Y.*

viridis punctulata MORSE, Psyche, vii, 104 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 292 (1894), *N. Y.*

Chloealetis (Amblytropidia)

subhyalina PROV., Faune ent. Can., ii, 44 (1877), *Can.* — CAULF., Can. rec. sc., ii, 400 (1887), *Quebec*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.*

Chloroscirtus

forceps SAUSS.-PICT., Biol. centr. amer., Orth., 327, pl. 15, figs. 24-27 (1897), *Guat.*

Choeradodis

rhombicollis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 126, pl. 9, fig. 3 (1894), *Pan., Colombia, Guiana, Ecuador*. — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 60-61, pl. 2, fig. 2 (1895), *Nicar.*

servillei WOOD-MASON, Journ. asiat. soc. Beng., xlix, 83 (1880), *Cache, Costa Rica, Chiriqui*; Ibid., liii, pt. 2, 240, figs. 3, 8 (1884), *Id.*; Cat. Mant., 14-15 (1889), *Id.* — WESTW., Rev. Mant., 3 (1889), *Chiriqui, Costa Rica*. — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 126-127, pl. 9, figs. 1, 2 (1894), *Guat., Nicar., Costa Rica, Pan.*

Chorisoneura

flavipennis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 81, pl. 2, fig. 21 (1893), *Mex.*

multivenosa SAUSS., Miss. scient. Mex., Rech. zool., vi, 94-95 (1870), *Amér. trop.*

mysteca BRUNN., Blatt., 258 (1865), *Mex.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 91 (1870), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 81 (1893), *Mex. Guat.* — BRUNN., Proc. zool. soc. Lond., 1893, 601 (1893), *Græcula, Mex., Bogota.*

pellucida SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 274 (1869), *Mex.*; Mém. orth., i, 94 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 92, pl. 2, figs. 49, 49a (1870), *Id.* — BOL., Ann. soc. esp. hist. nat., x, 468-469 (1881), *Ecuador, Mex.*; Not. ent., 22-23 (1881), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 81 (1893), *Mex.*

taeniata SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 82, pl. 2, fig. 22, (1893), *Mex.*

texensis SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 80 (1893), *N. Mex., Tex.* — SCUDD., Cat. Orth. U. S., 11 (1900), *Id.*

translucida SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 274 (1869), *Mex.*; Mém. orth., i, 94 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 91-92 (1870), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 82 (1893), *Id.*

Chorophyllum

plagiatum WALK., [Chori-] Cat. Derm. salt. Brit. mus., v, 845-846 (1871), *Jam.* — THOM., [Chori-] Rep. U. S. geol. surv. terr., v, 245 (1873), *Id.*

rhombeum WALK., [Chori-] Cat. Derm. salt. Brit. mus., v, 845 (1871), *Jam.* — THOM., [Chori-] Rep. U. S. geol. surv. terr., v, 245 (1873), *Cuba.* — BOL., Ann. soc. ent. Belg., xxxi, 202-203 (1887), *Jam.*; Ess. Tett., 28-29 (1887), *Id.*

See also Acridium (Chorophyllum) rhombeum.

sagrai SERV., [Chori-] Orth., 755, pl. 8, fig. 5 (1838), *Cuba.* — BURM., [Chloro-] Germ., Zeitschr. ent., ii, 56 (1840), *Id.* — BOL., [-grae] Ann. soc. ent. Belg., xxxi, 29 (1887), *Id.*; [-grae] Ess. Tett., 29 (1887), *Id.*; [-grae] Mém. soc. zool. France, i, 146 (1888), *Id.*; [-grae] Orth. Cuba, 31 (1888), *Id.* — GUNDEL., [Chori-, -grae] Ent. cub., ii, 346-347 (1890), *Id.*

See also Acridium (Chorophyllum) sagrai.

saussurei BOL., Ann. soc. ent. Belg., xxxi, 203-204, pl., fig. 5 (1887), *Cuba*; Ess. Tett., 29-30, pl., fig. 5 (1887), *Id.*; Mém. soc. zool. France, i, 146 (1888), *Id.*; Orth. Cuba, 31 (1888), *Id.* — GUNDEL., [Chori-] Ent. cub., ii, 347 (1890), *Id.*

Chortophaga

brevipennis SAUSS., Prodr. Oed., 73 (1884), *Cala.* — SCUDD., Cat. Orth. U. S., 31 (1900), *Id.*

cubensis SAUSS., Prodr. Oed., 74 (1884), *Cuba.* — BOL., Mém. soc. zool. France, i, 143 (1888), *Id.*; Orth. Cuba, 28 (1888), *Id.* — GUNDEL., Ent. cub., ii, 339 (1890), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 209, 217 (1890).

- infuscata.** See *Chortophaga viridifasciata infuscata*.
- radiata.** See *Chortophaga viridifasciata infuscata radiata*.
- virginiana.** See *Chortophaga viridifasciata virginiana*.
- viridifasciata** SAUSS., Prodr. Oed., 72-73, pl., figs. 7, 12 (1884), *N. E., Col., Tex.* — COMST., Intr. ent., 104 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 124, figs. 15ab (1888), *N. E.*; Orth. N. E., 40, figs. 15ab (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 413 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 76-77 (1891), *Ind.* — MCNEILL, Psyche, vi, 62-63 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 34, pl. 1 (1892), *N. J., Mass.* — MORSE, Psyche, vi, 406 (1893), *Mass.*; *Ibid.*, vii, 105 (1894), *N. E.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — GARM., Orth. Ky., 3, 9 (1894), *Ky.* — BLATCHL., Can. ent., xxvi, 245 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 295, pl. 8, fig. 9 (1894), *N. Y.* — LINTN., Rep. st. mus. N. Y., xlix, 271 (1896). — MORSE, Psyche, viii, 8, 35, 64-66, pl. 2, figs. 18, 18a (1897), *N. E.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — SCUDD., Appal., viii, 306-307 (1898), *Can. to Gulf Mex.*; Alp. Orth. N. A., 8-9 (1898), *Id.* — BLATCHL., Can. ent., xxx, 63 (1898), *Ind.* — LUGG., Orth. Minn., 144-147, figs. 83-85 (1898), *Minn.* — WALK., Can. ent., xxx, 258-259 (1898), *Ont.* — MORSE, Psyche, viii, 322 (1899), *N. E.* — BRUN., Rep. Nebr. bd. agric., 1899, 246 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 31 (1900) *U. S. and Can. e. Rocky Mts.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 157 (1900), *N. J.* — REHN, Ent. stud., i, 10 (1900), *Penn.*
- viridifasciata infuscata** MORSE, Psyche, vii, 105 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 295 (1894), *N. Y.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.*
- viridifasciata infuscata radiata** MORSE, Psyche, vii, 105 (1894), *N. E.*
- viridifasciata virginiana** MORSE, Psyche, vii, 105 (1894), *N. E.*

Chromacris

- colorata** WALK., Cat. Derm. salt. Brit. mus., iv, 644 (1870), *S. C.* — THOM., Rep. U. S. geol. surv. terr., v, 168 (1874), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

Chrysochraon

- abdominalis** THOM., Rep. U. S. geol. surv. terr., v, 74-75 (1873), *Mont.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 6 (1874). — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.*
- consersum** THOM., Rep. U. S. geol. surv. terr., v, 76-77 (1873), *Mass., N. H., Me., Brit. Amer.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 55 (1883), *East. st., Brit. Amer.* — CAULF., Can. rec. sc., ii, 400

(1887), *Manit., Winnipeg*; Can. Orth., 12 (1887), *Id.* — Comst., *Intr. ent.*, 102, fig. 92 (1888). — BLATCHL., *Can. ent.*, xxiii, 75-76 (1891), *Ind.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — Comst., *Man. study ins.*, 111, fig. 122 (1895).

* **deorum** SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 262-263 (1876), *Col.* — BRUN., *Rep. U. S. ent. comm.*, iii, 55 (1883), *Id.*

obscurum SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 88-89 (1877), *Fla.*; *Ent. notes*, vi, 29-30 (1878), *Id.* — BRUN., *Rep. U. S. ent. comm.*, iii, 55 (1883), *Id.*

punctulatum THOM., *Rep. U. S. geol. surv. terr.*, v, 77 (1874), *Conn.* — BESS., *Bienn. rep. Iowa agric. coll.*, vii, 207 (1877), *Iowa.* — BRUN., *Can. ent.*, ix, 144 (1877), *Nebr.*; *Rep. U. S. ent. comm.*, iii, 55 (1883), *Conn.*

viride SCUDD., *Hitchc., Rep. Geol. N. H.*, i, 372 (1874), *N. H.*, etc. — THOM., *Rep. U. S. geol. surv. terr.*, v, 75 (1874), *Conn.*, *Ill.*; *Rep. U. S. geol. surv. w. 100 mer.*, v, 871 (1876), *West. U. S.*, *Car.* — BESS., *Bienn. rep. Iowa agric. coll.*, vii, 207 (1877), *Iowa.* — BRUN., *Can. ent.*, ix, 144 (1877), *Nebr.* — RIL., *Rep. U. S. ent. comm.*, i, 220, 226 (1878), *Mo.*; *Stand. nat. hist.*, ii, 203 (1884), *East. U. S.* — BRUN., *Bull. Washb. coll.*, i, 131 (1885), *Kans.* — SMITH, *Cat. ins. N. J.*, 411 (1890), *N. J.* — BLATCHL., *Can. ent.*, xxiii, 75 (1891), *Ind.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — SMITH, *Bull. N. J. exp. st.*, xc, 31, pl. 1 (1892), *N. J.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 23 (1893), *Nebr.* — BLATCHL., *Can. ent.*, xxvi, 221-222 (1894), *Ind.*; *Orth. Ind.*, 21 (1897), *Id.*

Circotettix

* **carlinianus** THOM., [carling-] *Proc. Davenport acad. sc.*, i, 254-255 (1876), *Utah.* — SCUDD., [carling-] *Proc. U. S. ent. comm.*, ii, App., 26 (1881), *Nev.* — BRUN., [carling-] *Ibid.*, iii, 57 (1883), *Nev.*, *Mont.*, *Brit. Amer.*; [carling-] *Bull. div. ent. U. S. dep. agric.*, ii, 13 (1883), *Mont.*, *Alberta*; [carling-] *Ibid.*, iv, 59 (1884), *Mont.* — SAUSS., [carling-] *Prodr. Oëd.*, 176 (1884), *Col.*, *Yellowstone.* — BRUN., [carling-] *Can. ent.*, xvii, 10 (1885), *Wash.*; [carling-] *Rep. U. S. ent.*, 1885, 307 (1886), *Yellowstone.* — SCUDD., [carling-] *Rep. ent. soc. Ont.*, xxiii, 78 (1893). — BRUN., [carling-] *Publ. Nebr. acad. sc.*, iii, 26 (1893), *Nebr.*; [carling-] *Ann. rep. Nebr. bd. agric.*, 1896, 134 (1897), *Id.* — SCUDD., *Cat. Orth. U. S.*, 42 (1900), *Col.*, *to Nev.*, *northw.*; *Psyche*, ix, 136, 138 (1900), *Col.*, *Wyo.*, *Utah*, *Nev.*, *Brit. Col.*; also *Alberta*, *Mont.*, *Wash.*, *Nebr.*

See also *Oedipoda* (*Circotettix*) *carliniana*.

lapidicola BRUN., *Proc. U. S. nat. mus.*, xii, 75-76 (1890), *Idaho.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 78 (1893); *Cat. Orth. U. S.*, 42 (1900), *Id.*

lobatus SAUSS., *Add. prodr. Oed.*, 65-66, pl., fig. 5 (1888), *Col.* — SCUDD., *Cat. Orth. U. S.*, 42 (1900), *Id.*; *Psyche*, ix, 136, 138-139 (1900), *Idaho*, *Col.*

maculatus SCUDD., *Rep. U. S. ent. comm.*, ii, App., 26, pl. 17, fig. 10 (1881), *Sierra Nevada.* — BRUN., *Ibid.*, iii, 57 (1883), *Cala.* — SAUSS., *Prodr. Oed.*, 176-177 (1884), *Cala.*, *Sierra Nevada.* — SCUDD., *Rep. ent. soc. Ont.*,

xxiii, 78 (1893); Appal., viii, 308 (1898), *Cala.*; Alp. Orth. N. A., 10 (1898), *Id.*; Cat. Orth. U. S., 42 (1900), *Sierra Nevada*s; Psyche, ix, 136, 137 (1900), *Nev., Cala.*

occidentalis SCUDD., Cat. Orth. U. S., 43 (1900), *Cala.*; Psyche, ix, 137, 141 (1900), *Id.*

perplexus SCUDD., Psyche, ix, 137, 141 (1900), *Nebr.*

shastanus BRUN., Proc. U. S. nat. mus., xii, 76-77 (1890), *Cala.*—TOWNS., Ins. life, vi, 30 (1893), *Ariz.*—SCUDD., Cat. Orth. U. S., 43 (1900), *Cala.*; Psyche, ix, 137, 139-140 (1900), *Or., Cala.*

sparsus SCUDD., Bull. U. S. geol. surv. terr., ii, 265 (1876).—SAUSS., Add. prodr. Oed., 172-173 (1888), *N. A.*—SCUDD., Cat. Orth. U. S., 43 (1900), *N. Mex.*; Psyche, ix, 137, 141 (1900), *Id.*

suffusus SCUDD., Appal., viii, 308-309 (1898), *Cala., Oreg., Wash., Brit. Col., Nev., Col., Utah, Wyo.*; Alp. Orth. N. A., 10-11 (1898), *Id.*; Cat. Orth. U. S., 43 (1900), *North. U. S., w. Rocky Mts.*; Psyche, ix, 137, 140 (1900), *Brit. Col., Or., Sierra Nevada, Nev., Utah, Col., Wyo., Yellowstone Park, Wash.*

thalassinus SAUSS., Prodr. Oed., 177-178 (1884), *Nev.*—SCUDD., Cat. Orth. U. S., 43 (1900), *Id.*; Psyche, ix, 136, 138 (1900), *Nev., Cala.*

undulatus SCUDD., Bull. U. S. geol. surv. terr., ii, 265 (1876), *Col.*—THOM., Proc. Dav. acad. nat. sc., i, 254 (1876), *Id.*—UNL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Id.*—THOM., Ann. rep. chief eng., 1878, 1844 (1878), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*; Bull. div. ent. U. S. dep. agric., iv, 9 (1884), *Mont.*—SAUSS., Prodr. Oed., 177 (1884), *Col., Nev.*—BRUN., Can. ent., xvii, 10 (1885), *Wash.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.*—SAUSS., Add. prodr. Oed., 65, pl. fig. 6 (1888), *Col., Nev.*—COCK., Ent., xxi, 300 (1888), *Col.*—FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Victoria.*—COCK., Ent. news, i, 76 (1890), *Col.*—BRUN., Publ. Nebr. acad. sc., iii, 26 (1893) *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 184 (1897), *Id.*—SCUDD., Appal., viii, 308 (1898), *Rocky Mt. region*; Alp. Orth. N. A., 10 (1898), *Id.*; Cat. Orth. U. S., 43 (1900), *Rocky Mt. region to Pac., n. of lat. 40°*; Psyche, ix, 124 (1900), *N. Mex.*; Ibid, ix, 137, 139 (1900), *N. Mex., Col., Utah, Wyo., Yellowstone Park; also Nebr., Mont., Nev., Wash., Victoria.*

verruculatus SAUSS., Prodr. Oed., 175-176 (1884), *Amer. bor. tota.*—FERN., Ann. rep. Mass. agric. coll., xxv, 129 (1888), *N. E.*; Orth. N. E., 45 (1888), *Id.*—SMITH, Cat. ins. N. J., 414 (1890), *N. J.*—MCNEILL, Psyche, vi, 64 (1891), *Ill., Mo.*—SCUDD., Rep. ent. soc. Ont., xxiii, 78, fig. 54 (1893).—BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*—COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.*—MORSE, Psyche, vii, 105 (1894), *N. E.*—BEUT., Bull. amer. mus. nat. hist., vi, 302, pl. 9, fig. 6 (1894), *N. Y.*—MORSE, Journ. N. Y. ent. soc., iv, 17, 18-19 (1896).—PIERS, Trans. Nova Sc. inst. sc., ix, 214-215 (1896), *Nova Scotia.*—MORSE, Psyche, viii, 37, 113-114, pl. 2, fig. 30 (1897), *N. E.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.*—SCUDD., Appal., viii, 308 (1898), *Nova Scotia to Vanc.*; Alp. Orth. N. A.,

10 (1898), *Id.* — LUGG., *Orth. Minn.*, 170-171, fig. 103 (1898), *Minn.* — WALK., *Can. ent.*, xxx, 203 (1898), *Ont.* — MORSE, *Psyche*, viii, 317-318, 319, 320 (1899), *N. E.* — SCUDD., *Cat. Orth. U. S.*, 43 (1900), *North. U. S. and Can., Atl. to Pac.*; *Psyche*, ix, 102 (1900), *N. E.* — SMITH, *Ins. N. J.*, 157 (1900), *N. J.* — SCUDD., *Psyche*, ix, 137, 140-141 (1900), *Nova Scotia, Me., N. H., Vt., Mass., N. Y., Can., Manit., Brit. Col., Athabasca; also Conn., N. J., Ill., Mont., Minn., Nebr., Dak., Mont.*

Clematodes

larreae COCK., *Scudd., Journ. N. Y. ent. soc.*, viii, 213-214 (1900), *N. Mex.*

Clinocephalus

elegans MORSE, *Psyche*, vii, 326, 402, pl. 7, figs. B, Ba (1896), *N. E.* — MCNEILL, *Proc. Davenport acad. nat. sc.*, vi, 233, pl. 3, figs. 16, 16a (1897), *N. Y., N. J., Md., Geo.* — MORSE, *Psyche*, viii, 318 (1899), *N. E.* — SCUDD., *Cat. Orth. U. S.*, 25 (1900), *Atl. st.* — SMITH, *Ins. N. J.*, 155 (1900), *N. J.*

Clinopleura

flavomarginata SCUDD., *Can. ent.*, xxxii, 332 (1900), *Cala.*
melanopleura SCUDD., *Can. ent.*, xxvi, 182, 183 (1894), *Cala., Utah; Cat. Orth. U. S.*, 79 (1900), *Id.*; *Can. ent.*, xxxii, 332 (1900), *Cala.*

Clonistria

bartholomaea STÅL, *Rec. Orth.*, iii, 80 (1875), *St. Barthol.*; *Bih. sv. vet.-akad. handl.*, ii, no. 17, 16 (1875), *Id.*

linearis BRUNN., *Proc. zool. soc. Lond.*, 1893, 605 (1893), *Grenada, St. Vinc.*

Cocconotus

castus BRUNN., *Mon. Pseudoph.*, 210 (1895), *Mex.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 432, 436 (1898), *Id.*

constrictus BRUNN., *Mon. Pseudoph.*, 202 (1895), *Chiriqui.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 431, 433 (1898), *Id.*

degeeri STÅL, *Rec. Orth.*, ii, 89 (1874), *Pan.* — BRUNN., *Mon. Pseudoph.*, 206 (1895), *Id.* — GRIFF., *Boll. mus. zool. univ. Tor.*, xi, no. 232, 21 (1896), *Id.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 432, 435 (1898), *Id.*

fraternus SAUSS.-PICT., *Biol. centr. amer., Orth.*, 431, 433 (1898), *Pan.*

globosus BRUNN., *Mon. Pseudoph.*, 203-204, pl. 8, fig. 89 (1895), *Guat., Mex.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 431, 434, pl. 20, figs. 26-28 (1898), *Id.*

meroncidioides BRUNN., Mon. Pseudoph., 201-202 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 431, 432 (1898), *Id.*

modestus BRUNN., Mon. Pseudoph., 204 (1895), *Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 432, 435 (1898), *Id.*

pollonerae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 22-23 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 431, 434-435 (1898), *Pan., Ecuador.*

sagittatus SAUSS.-PICT., Biol. centr. amer., Orth., 431, 433, pl. 20, fig. 23 (1898), *Pan.*

striolatus BRUNN., Mon. Pseudoph., 203 (1895), *St. Vinc.*

tricornis STÅL, Rec. Orth., ii, 90 (1874), *St. Barthol.* — BRUNN., Mon. Pseudoph., 202-203 (1895), *Id.*

Coelopterna

acuminata GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.*

Coloradella

brunnea BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.*

Conalcaea

miguelitana SCUDD., Rev. Mel., 24-25, pl. 2, fig. 8 (1897), *Mex.*

neomexicana SCUDD., Rev. Mel., 24, 26, pl. 2, fig. 9 (1897), *N. Mex. & Cat.* Orth. U. S., 48 (1900), *Id.*

truncatipennis SCUDD., Rev. Mel., 24, 25-26 (1897), *Mex.*

Conocephalus

acuminatus THUNB., Mém. acad. St. Pétersb., v, 273 (1815), *In Indiis et Eur. austr.* — SERV., Ann. sc. nat., xxii, 149 (1831), *Midi de l'Europe et des Indes.*

acutulus SCUDD., Proc. Bost. soc. nat. hist., xx, 89-90 (1879), *Cuba*; Cent. Orth., 78 (1879), *Id.*; Cat. Orth. U. S., 72 (1900), *Id.*

aduncus SCUDD., Proc. Bost. soc. nat. hist., xx, 87 (1879), *Cuba*; Cent. Orth., 76 (1879), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 87 (1884), *Id.*; Mém. soc. zool. France, i, 149 (1888), *Id.*; Orth. Cuba, 34 (1888), *Id.* — GUNDEL, Ent. cub., ii, 357, 387-388 (1890), *Id.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 386, pl. 3, fig. 26 (1891), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 211, 218 (1896). — GRIFF., Tent. cat. Conoceph., 5 (1899), *Id.*

adustus REDT., Verh. zool.-bot. ges. Wien, 1891, 400-401, (1891), *Cuba.*

aries SCUDD., Proc. Bost. soc. nat. hist., xx, 91-92 (1879), *Mex.*; Cent. Orth., 80 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 211, 218 (1896). — GRIFF., Tent. cat. Conoceph., 5 (1899), *Id.*

ascendens WALK., Cat. Derm. salt. Brit. mus., ii, 305 (1869), *Jam.*

atlanticus BRUN., Ent. news, x, 38-39 (1899), *N. J., Penn., Md., Va.* — SCUDD., Cat. Orth. U. S., 72 (1900), *N. J. to Va.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

attenuatus SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1871), *Nebr.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.*; Rep. Nebr. bd. agric., 1893, 458 (1893), *Id.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — GRIFF., Tent. cat. Conoceph., 5 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Nebr., Iowa.*

aztecus SAUSS.-PICT., Biol. centr. amer., Orth., 389, 391-392 (1898), *Mex., Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

bilineatus WALK., Cat. Derm. salt. Brit. mus., ii, 306 (1869), *St. Dom.*

biolleyi BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

carbonarius REDT., Verh. zool.-bot. ges. Wien, 1891, 424 (1891), *Cuba.*

cinereus THUNB., Mém. acad. st. Pétersb., v, 273 (1815), *Jam.*

clausus SCUDD., Proc. Bost. soc. nat. hist., xx, 94 (1879), *Mex.*; Cent. Orth., 83 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 211, 218 (1896). — GRIFF., Tent. cat. Conoceph., 5 (1899), *Id.*

céntingens WALK., Cat. Derm. salt. Brit. mus., ii, 304 (1869), *Mex.*

crepitans SCUDD., Bost. journ. nat. hist., vii, 450-451 (1862), *Tex., Nebr.* — WALK., Cat. Derm. salt. Brit. mus., ii, 303 (1869), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *N. A.* — BRUN., Bull. Washb. coll., i, 128 (1885), *Kans.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 404 (1891), *Tex., Nebr., Mo., Kans., Ark.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 393 (1898), *Nebr., Mo., Kans., Tex.* — GRIFF., Tent. cat. Conoceph., 5 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Iowa to Tex.*

cuspidatus SCUDD., Proc. Bost. soc. nat. hist., xx, 88 (1879), *Cuba*; Cent. Orth., 77 (1879), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 87 (1884), *Id.*; Mém. soc. zool. France, i, 149 (1888), *Id.*; Orth. Cuba, 34 (1888), *Id.* — GUNDL., Ent. cub., ii, 357 (1890), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 211 (1896).

dissimilis SERV., Orth., 518 (1838), *Amér. sept.* — THOM., Trans. Ill. st. agric. soc., v, 446 (1865), *Ill.* — DAV., Can. ent., xix, 56-57 (1887); Rep. ent. soc. Ont., xviii, 43 (1888); Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 405 (1891), *Tex., Car., Geo., Ill., La., Md.* — BEUT., Bull. amer. mus. nat. hist., vi, 281, pl. 7, figs. 3, 4 (1894), *N. Y.* — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.* — MORSE, Psyche, viii, 227 (1898), *Mass.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 393 (1898), *South. U. S.* — GRIFF., Tent. cat. Conoceph., 5 (1899), *N. Y.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

See also Locusta (Conocephalus) dissimilis.

ensiger HARR., *Treat. ins. inj. veg.*, 1 ed., 131 (1841, 1842), *Mass.* — FITCH, *Amer. journ. agric. sc.*, vi, 146 (1847), *N. Y.* — HARR., *Treat. ins. inj. veg.*, 2 ed., 142 (1852), *Mass.* — JAGG., *N. Amer. ins.*, 154 (1854), *N. A.*; *Ibid.*, 109 (1859), *Id.* — HARR., *Treat. ins. inj. veg.*, 3 ed., 163, fig. 79 (1862), *Mass.* — SCUDD., *Bost. journ. nat. hist.*, vii, 449 (1862), *Mass.*, *Vt.*, *Conn.*, *Ill.*, *Minn.*, *Nebr.* — THOM., *Trans. Ill. st. agric. soc.*, v, 445 (1865), *Ill.* — SMITH, *Proc. Portl. soc. nat. hist.*, i, 145 (1868), *Me.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xi, 312 (1868), *N. E.* — PACK., *Guide ins.*, 566 (1869), *Atl. st.* — WALK., *Cat. Derm. salt. Brit. mus.*, ii, 303 (1869), *N. A.* — SMITH, *Rep. Conn. bd. agric.*, 1872, 359, 380 (1872), *Conn.* — GLOV., *Ill. N. A. ent.*, Orth., pl. 4, fig. 12 (1872). — SCUDD., *Hitchc.*, *Rep. geol. N. H.*, i, 367, fig. 53 (1874), *N. E.*, *mid. st.*, *Ill.*, *Nebr.*, *Minn.* — BESS., *Bienn. rep. Iowa agric. coll.*, vii, 207 (1877), *Iowa.* — BOL., *Artr. viaje Pac.*, *Neur. y Ort.*, 92 (1884), *N. A.* — RIL., *Stand. nat. hist.*, ii, 187, fig. 263 (1884), *East. N. A.* — CAULF., *Can. rec. sc.*, ii, 327 (1887), *Ont.*; *Can. Orth.*, 9 (1887), *Id.* — DAV., *Can. ent.*, xix, 56 (1887), *Staten Is.*; *Rep. ent. soc. Ont.*, xviii, 43 (1888), *Staten Is.* — CAULF., *Ibid.*, xvii, 64, 70 (1888), *Ont.* — COMST., *Intr. ent.*, 115 (1888). — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 106 (1888), *N. E.*; *Orth. N. E.*, 22 (1888), *Id.* — DAV., *Ent. amer.*, v, 80 (1889), *Staten Is.* — PACK., *Psyche*, v, 199 (1889). — SMITH, *Cat. ins. N. J.*, 410 (1890), *N. J.* — REDT., *Verh. zool.-bot. ges. Wien*, 1891, 403 (1891), *U. S.* — MCNEILL, *Psyche*, vi, 23 (1891), *Ill.* — RIL., *Ins. life*, iv, 400 (1892). — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.* — SMITH, *Bull. N. J. exp. st.*, xc, 31 (1892), *N. J.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 72, fig. 48 (1893). — BRUN., *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 114-115 (1894), *Ind.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 281, pl. 6, fig. 8 (1894), *N. Y.* — DAV., *Journ. N. Y. ent. soc.*, iii, 142 (1895), *Staten Is.* — BLATCHL., *Orth. Ind.*, 22 (1897), *Ind.* — BALL, *Proc. Iowa acad. sc.*, iv, 237 (1897), *Iowa.* — SCUDD., *Appal.*, viii, 317 (1898), *North. U. S.*, *Can.*; *Alp. Orth. N. A.*, 19 (1898), *Id.* — LUGG., *Orth. Minn.*, 230-231, figs. 153, 154 (1898), *Minn.* — GRIFF., *Tent. cat. Conoceph.*, 5 (1899), *Nebr.*, *N. Y.* — BLATCHL., *Gleanings*, 218, fig. 50 (1899), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 72 (1900), *North. U. S. e. of Rocky Mts.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 45 (1900), *N. H.* — SCUDD., *Psyche*, ix, 103 (1900), *N. E.* — SMITH., *Ins. N. J.*, 161 (1900), *N. J.*

See also Gryllus (Conocephalus) ensiger.

exiliscanorus DAV., *Can. ent.*, xix, 57 (1887), *Staten Is.*; *Rep. ent. soc. Ont.*, xviii, 43 (1888), *Id.*; *Ent. amer.*, v, 80 (1889), *Id.* — SMITH, *Cat. ins. N. J.*, 410 (1890), *N. J.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 73 (1893). — BEUT., *Bull. amer. mus. nat. hist.*, vi, 280-281, pl. 7, figs. 1, 2 (1894), *N. Y.* — DAV., *Journ. N. Y. ent. soc.*, iii, 142 (1895), *Staten Is.*; *Proc. nat. sc. ass. Stat. Isl.*, v, 97 (1896), *Id.* — GRIFF., *Tent. cat. Conoceph.*, 5 (1899), *N. Y.* — SCUDD., *Cat. Orth. U. S.*, 72 (1900), *Id.* — SMITH, *Ins. N. J.*, 161 (1900), *N. J.*

extensor COCK., *Journ. inst. Jam.*, i, 258 (1893), *Jam.*

fratellus GRIFF., *Tent. ent. Conoceph.*, 5 (1899), *St. Vinc.*, *Darien.*

frater REDT., *Verh. zool.-bot. ges. Wien*, 1891, 399 (1891), *Cuba*, *St. Vinc.*,

Trinidad, Brazil, upper Amazons.—BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 215 (1892), *Id.*—GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 26-27 (1896), *Darien.*—SAUSS.-PICT., Biol. centr. amer., Orth., 389, 392 (1898), *Pan., Trinidad, Amazons, Brazil, Antill.*

fuscinervis REDT., Verh. zool.-bot. ges. Wien, 1891, 427 (1891), *Cuba.*

fuscostrigatus REDT., Verh. zool.-bot. ges. Wien, 1891, 399 (1891), *Geo., Mo., Car., Tex., Mex., Cuba, Hayti, Quita.*—SAUSS.-PICT., Biol. centr. amer., Orth., 389, 392 (1898), *Id.*—SCUDD., Cat. Orth. U. S., 72 (1900), *South U. S. e. of Rocky Mts.*

gladiator REDT., Verh. zool.-bot. ges. Wien, 1891, 406 (1891), *Mex.*—SAUSS.-PICT.—Biol. centr. amer., Orth., 389, 394 (1898), *Id.*—SMITH, Ent. news, x, 51 (1899), *Penn.*; Ins. N. J., 161 (1900), *N. J.*

guttatus SERV., Orth., 518 (1838), *Cuba.*—GUÉR., Sagra, Hist. nat. Cuba, 355 (1857), *Id.*—WALK., Cat. Derm. salt. Brit. mus., ii, 305 (1869), *Cuba, Jam., west coast N. A.*—BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *Cuba*; Mém. soc. zool. France, i, 149-150 (1888), *Id.*; Orth. Cuba, 34-35 (1888), *Id.*—GUNDL., Ent. cub., ii, 357-358 (1890), *Id.*—REDT., Verh. zool.-bot. ges. Wien, 1891, 392, pl. 3, fig. 33 (1891), *Mex., Pan., Costa Rica, Colombia, Bogota, Venez., N. Gren., Cuba, Jam., St. Vinc., less. Antill.*—BRUNN., Proc. zool. soc. Lond., 1893, 608 (1893), *Grenada, St. Vinc., Mex.*—GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 26 (1896), *Darien.*—SAUSS.-PICT., Biol. centr. amer., Orth., 388, 390 (1898), *Mex., Costa Rica, Pan., Colombia, Venez., Antill.*—GRIFF., Tent. cat. Conoceph., 5 (1899), *St. Vinc., Gren., Darien.*

See also Locusta (Conocephalus) *guttata.*

hamatus SCUDD., Proc. Bost. soc. nat. hist., xx, 87 (1879), *Guat.*; Cent. Orth., 76 (1879), *Id.*—BOL., Artr. viaje Pac., Neur. y Ort., 87 (1884), *Id.*—SCUDD., Proc. Bost. soc. nat. hist., xxvii, 211 (1896).

hebes SCUDD., Proc. Bost. soc. nat. hist., xx, 92-93 (1879), *Cuba, St. Thom., La., Tehuant.*; Cent. Orth., 81 (1879), *Id.*—BOL., Mém. soc. zool. France, i, 150 (1888), *Cuba*; Orth. Cuba, 35 (1888), *Id.*—GUNDL., Ent. cub., ii, 359 (1890), *Id.*—REHN, Trans. amer. ent. soc., xxvii, 88-89 (1900), *Mex.*

heteropus REDT., Verh. zool.-bot. ges. Wien, 1891, 400 (1891), *St. Vinc., Brazil, Peru, Chili, upper Amazons.*—BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 215 (1892), *Id.*—GRIFF., Tent. cat. Conoceph., 6 (1899), *St. Vinc.*

infuscatus REDT., Verh. zool.-bot. ges. Wien, 1891, 398 (1891), *Cuba, less. Antill., St. Vinc., Venez., Surinam, Cayenne, Brazil, Peru.*—BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 214-215 (1892), *Id., Pan.*—BRUNN., Ibid., 1893, 608 (1893), *Grenada, St. Vinc., Cuba, Pan.*

laticeps SAUSS.-PICT., Biol. centr. amer., Orth., 389, 394, pl. 19, fig. 25 (1898), *Costa Rica, Colombia.*

macropterus REDT., Verh. zool.-bot. ges. Wien, 1891, 402 (1891), *Mex., Martin., St. Vinc., Cuba, Brazil, Peru, Argentina.*—BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 215 (1892), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 389, 392-393 (1898), *Mex., Hond., Costa Rica, Brazil, Peru, Argent.,*

Antill. — GRIFF., Tent. cat. Conoceph., 6 (1899), *St. Vinc.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica*•

malivolans SCUDD., Proc. Bost. soc. nat. hist., xx, 90-91 (1879), *Fla.*; Cent. Orth., 79 (1879), *Id.*; Cat. Orth. U. S., 72 (1900), *Id.*

maxillosus REDT., Verh. zool.-bot. ges. Wien, 1891, 396 (1891), *Cuba, Domingo, St. Vinc., less. Antill., Guiana, Brazil.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 214 (1892), *Id., Union Isl., Bolivia.* — BRUNN., Ibid., 1893, 608 (1893), *Grenada, St. Vinc., Cuba, St. Dom., Guiana, Brazil.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *St. Vinc., Union Isl., Gren., Venez.*

mexicanus SAUSS., Rev. mag. zool., 1859, 208 (1859), *Mex.*; Orth. nova amer., i, 2 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 304 (1860), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *Id.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 395-396 (1891), *Car., Geo., Tex., Mex., Costa Rica, Venez., Cuba, Haiti, Guiana, Brazil.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 66 (1895), *Nicar.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 26 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389-391, pl. 19, fig. 21 (1898), *Geo., Carol., Tex., Mex., Brit. Hond., Guat., Nicar., Costa Rica, Pan., Venez., Guiana, Brazil, Cuba, Haiti.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Darien.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Geo. to Tex.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

muticus REDT., Verh. zool.-bot. ges. Wien, 1891, 393-394 (1891), *Cuba, St. Vinc., less. Antill.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 214 (1892), *St. Vinc., Cuba.* — BRUNN., Ibid., 1893, 608 (1893), *Grenada, St. Vinc., Cuba.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 26 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 390 (1898), *Pan., Cuba, St. Vinc.* — GRIFF., Tent. Cat. Conoceph., 6 (1899), *St. Vinc., Gren., Darien.* • •

nebrascensis BRUN., Can. ent., xxiii, 72-73 (1891), *Nebr., Iowa, Ill.* — McNEILL, Psyche, vi, 23 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SCUDD., Rep. ent. soc. Ont., xxiii, 72 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 115-116 (1894), *Ind.*; Orth. Ind., 22 (1897), *Id.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — LUGG., Orth. Minn., 231-232 (1898), *Minn.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Upp. Miss. vall.*

necessarius REDT., Verh. zool.-bot. ges. Wien, 1891, 402 (1891), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 393 (1898), *Id.*

nietoi SAUSS., [-ti] Rev. mag. zool., 1859, 208 (1859), *Mex.*; [-ti] Orth. nova amer., i, 2 (1859), *Id.* — WALK., [-ti] Cat. Derm. salt. Brit. mus., ii, 304 (1860), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *Id.*; Mém. soc. zool. France, i, 150 (1888), *Cuba*; Orth. Cuba, 35 (1888), *Id.* — GUNDL., Ent. cub., ii, 360 (1890), *Id.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 405-406 (1891), *Tex., La., Mex., Guat., Cuba, Domingo, Jam., Guiana.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 393, pl. 19, figs. 23, 24 (1898), *Id.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Tex., La.*

nigrolimbatus REDT., Verh. zool.-bot. ges. Wien, 1891, 401-402 (1891), *Cuba.*

nigropunctatus REDT., Verh. zool.-bot. ges. Wien, 1891, 391-392, pl. 3, fig. 32 (1891), *Cuba, Guaiqua, Brazil, upp. Amazons.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

nodifrons. See *Locusta* (*Conocephalus*) *nodifrons*.

* **obscurus** REDT., Verh. zool.-bot. ges. Wien, 1891, 397-398 (1891), *Met., Guat., Nicar., Cuba, Antill., Venez.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 392 (1898), *La., Mex., Guat., Nicar., Costa Rica, Venez., Antill.* — SCUDD., Cat. Orth. U. S., 72 (1900), *La.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

obtusus BURM., Handb. ent., ii, 705 (1838). — SCUDD., Bost. journ. nat. hist., vii, 450 (1862), *Geo.* — WALK., Cat. Derm. salt. Brit. mus., ii, 303 (1869), *U. S., Jam., St. Dom., Brazil.* — RIL., Stand. nat. hist., ii, 187 (1884), *Geo.* — ASHM., Ins. life, vii, 26 (1894), *Miss.*

See also *Locusta* (*Conocephalus*) *obtusa*.

occidentalis SAUSS., Rev. mag. zool., 1859, 208 (1859), *Haiti*; Orth. nova amer., i, 2 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 305 (1869), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *Id.*; Mém. soc. zool. France, i, 150 (1888), *Cuba*; Orth. Cuba, 35 (1888), *Id.* — GUNDL., Ent. cub., ii, 358-359 (1890), *Id.*

* **palustris** BLATCHL., Can. ent., xxv, 89-90 (1893), *Ind.*; Proc. Ind. acad. sc., 1892, 118-119 (1894), *Id.*; Orth. Ind., 22 (1897), *Id.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Id.*

pichinchae REDT., Verh. zool.-bot. ges. Wien, 1891, 392-393 (1891), *Cuba, Ecuador.* — SAUSS.-PICT., Biol. centr. amer., Orth., 388, 390 (1898), *Id.*

prasinus REDT., Verh. zool.-bot. ges. Wien, 1891, 423 (1891), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 394 (1898), *Id.*

* **prora** SCUDD., Proc. Bost. soc. nat. hist., xx, 89 (1879), *Nicar.*; Cent. Orth., 78 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 212 (1896).

punctipes REDT., Verh. zool.-bot. ges. Wien, 1891, 422-423 (1891), *St. Vinc.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 215 (1892), *Id.* — BRUNN., Ibid., 1893, 608 (1893), *Grenada, St. Vinc.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Id.*

retusus SCUDD., Proc. Bost. soc. nat. hist., xx, 93-94 (1879), *Geo.*; Cent. Orth., 82 (1879), *Id.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — SCUDD., Cat. Orth. U. S., 72 (1900), *Geo., N. J.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

robustus SCUDD., Bost. journ. nat. hist., vii, 449-450 (1862), *Mass.*; Proc. Bost. soc. nat. hist., xi, 312 (1868), *N. E.*; Amer. nat., ii, 117 (1868), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 303 (1869), *Mass.*; Ibid., v, Suppl., 37 (1871), *Id.* — SMITH, Rep. Conn. bd. agric., 1872, 359, 380 (1873), *Conn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 367 (1874), *N. E.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *N. A.* — RIL., Stand. nat. hist., ii, 187 (1884), *Mass.* — DAV., Can. ent., xix, 57 (1887), *Staten Is.*; Rep. ent. soc. Ont., xviii, 43 (1888). — COMST., Intr. ent., 115 (1888), *Mass., N. J.* — FERN., Ann. rep. Mass. agric. coll., xxv, 107 (1888), *N. E.*; Orth. N. E., 23 (1888), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 410 (1890),

N. J. — REDT., Verh. zool.-bot. ges. Wien, 1891, 403, pl. 3, fig. 36 (1891), *N. H., Mass.* — McNEILL, Psyche, vi, 23 (1891), *Id.* — SCUDD., Rep. ent. soc. Ont., xxiii, 72-73 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 116-117 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 280, pl. 6, fig. 9 (1894), *N. Y., N. J.* — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.* — ZABR., Journ. N. Y. micr. soc., xiii, 1, 2, pl. 62, fig. 12 (1897). — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — LUGG., Orth. Minn., 232 (1898), *Minn.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Nebr., N. Y.* — SCUDD., Cat. Orth. U. S., 72 (1900), *North. U. S., e. Rocky Mts.*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

sallei SAUSS., Rev. mag. zool., 1859, 207 (1859), *Mex.*; Orth. nova amer., i, 10 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 304 (1869), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 93 (1884), *Id.*

saturatus GRIFF., Tent. cat. Conoceph., 6 (1899), *St. Vinc., Gren.*

surinamensis REDT., Verh. zool.-bot. ges. Wien, 1891, 423-424 (1891), *Surinam, W. I., St. Vinc.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 215 (1892), *Id.* — BRUNN., Ibid., 1893, 608 (1893), *Gren., St. Vinc., Guiana.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 27 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 389, 394 (1898), *Pan., Guiana, Antill.* — GRIFF., Tent. cat. Conoceph., 6 (1899), *Id.*

testaceus SAUSS.-PICT., Biol. centr. amer., Orth., 389, 393 (1898), *Mex., Brazil.*

tricornis THUNB., Mém. acad. St. Pétersb., v, 278 (1815), *Ins. Barthol.*

triops THUNB., Mém. acad. St. Pétersb., v, 272 (1815), *In Indiis, ins. Barthol., Morocco.* — STÅL, Rec. Orth., ii, 110 (1874), *India, S. C., ins. Barthol.* — SCUDD., Psyche, ii, 154 (1878), *Fla.* — BOL., Artr. viaje Pac., Neur. y Ort., 92 (1884), *N. A.* — SCUDD., Cat. Orth. U. S., 72-73 (1900), *U. S. e. of Gr. Plains exc. northw.*; Psyche, ix, 103 (1900), *N. E.*

tristani SAUSS.-PICT., Biol. centr. amer., Orth., 389, 391, pl. 19, fig. 22 (1898), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Id.*

tuberculatus. See *Gryllus (Conocephalus) tuberculatus.*

uncinatus HARR., Treat. ins. inj. veg., 1 ed., 132 (1841, 1842), *N. C.*; Ibid., 3 ed., 164 (1862), *Id.* — SCUDD., Bost. journ. nat. hist., vii, 450 (1862), *Ala.* — WALK., Cat. Derm. salt. Brit. mus., ii, 303 (1869), *Id.* — RIL., Stand. nat. hist., ii, 187 (1884), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 87 (1884), *Cuba*; Mém. soc. zool. France, i, 149 (1888), *Id.*; Orth. Cuba, 34 (1888), *Id.* — GUNDL., Ent. cub., ii, 356-357 (1890), *Id.*

viridator WALK., Cat. Derm. salt. Brit. mus., ii, 308 (1869), *Hond.*

Conozoa

albolineata BRUN., Proc. U. S. nat. mus., xii, 66-67 (1890), *Cala.* — SCUDD., Cat. Orth. U. S., 40 (1900), *Id.*

behrensi SAUSS., Prodr. Oed., 165 (1884), *Cala.*; Add. prodr. Oed., 60, 61 (1888).—SCUDD., Cat. Orth. U. S., 40 (1900), *Id.*

gracilis BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.*

koebelei BRUN., Proc. U. S. nat. mus., xii, 67-68 (1890), *Cala.*—SCUDD., Cat. Orth. U. S., 40 (1900), *Id.*

rebellis SAUSS., Add. prodr. Oed., 60, 61 (1888), *Cala.*—SCUDD., Cat. Orth. U. S., 40 (1900), *Id.*

rogenhoferi SAUSS., Add. prodr. Oed., 62, pl., figs. 4, 4ab (1888), *Bagdad* [*Cala* ?].—SCUDD., Cat. Orth. U. S., 40 (1900), *Id.*

silvicola BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.*

sulcifrons SAUSS., Prodr. Oed., 166 (1884), *Ariz.*; Add. prodr. Oed., 60, 61 (1888).—SCUDD., Cat. Orth. U. S., 40 (1900), *Cala., Ariz.*

texana BRUN., Proc. U. S. nat. mus., xii, 65-66 (1890), *Tex.*—TOWNS., Ins. life, vi, 30 (1893), *N. Mex.*—SCUDD., Cat. Orth. U. S., 40 (1900), *Tex.*

wallula SAUSS., Prodr. Oed., 166 (1884), *Idaho.*—COQ., Rep. U. S. ent., 1885, 297 (1886), *Cala.*—SAUSS., Add. prodr. Oed., 60, 61 (1888).—COQ., Ins. life, i, 228 (1889), *Cala.*—KOE., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Id.*—SCUDD., Cat. Orth. U. S., 41 (1900), **Wash. to Cala. and Mon.*

Cophus

thoracicus SAUSS., Miss. scient. Mex., Rech. zool., vi, 455-456 (1874), *Cuba*; Mém. soc. phys. hist. nat. Gen., xxv, 450 (1878), *Id.*; Mém. orth., ii, 590 (1878), *Id.*—BOL., Mém. soc. zool. France, i, 158 (1888), *Id.*; Orth. Cuba, 43 (1888), *Id.*—GUNDL., Ent. cub., ii, 372, 389-390 (1891), *Id.*

Copiophora

azteca SAUSS.-PICT., Biol. centr. amer., Orth., 376, 377, 379, pl. 19, fig. 1 (1898), *Tabasco.*

brevicornis BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 214 (1892), *St. Vinc., Peru.*—GRIFF., Tent. cat. Conoceph., 3 (1899), *St. Vinc.*

brevirostris GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 25-26 (1896), *Darien.*—SAUSS.-PICT., Biol. centr. amer., Orth., 377, 380 (1898), *Pan., Colombia.*—GRIFF., Tent. cat. Conoceph., 3 (1899), *Darien.*

capito REDT., Verh. zool.-bot. ges. Wien, 1891, 342 (1891), *Amer. centr., Brazil, upp. Amazons.*—SAUSS.-PICT., Biol. centr. amer., Orth., 377, 379 (1898), *Id.*

cochleata REDT., Verh. zool.-bot. ges. Wien, 1891, 341, pl. 3, fig. 4 (1891), *Pan.*—SAUSS.-PICT., Biol. centr. amer., Orth., 376, 377, 378 (1898), *Id.*

cornuta SERV., Orth., 514, pl. 10, fig. 3 (1839), *Amér.*—REDT., Verh.

zool.-bot. ges. Wien, 1891, 340-341 (1891), *Brazil, Surinam, Costa Rica*. — SAUSS.-PICT., Biol. centr. amer., Orth., 376, 377, 378 (1898), *Id.*

cultricornis PICT., Mém. soc. phys. hist. nat. Gén., xxx, pt. 6, 47-48, pl. 2, fig. 23 (1888), *Amer. centr.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 341-342 (1891), *Amer. centr., Pan.* — BRONGN., Rech. ins. foss. temps prim., Atl. 17, pl. 12, fig. 5 (1894), *Amer. centr.* — SAUSS.-PICT., Biol. centr. amér., Orth., 376, 377, pl. 19, figs. 33, 34 (1898), *Pan.*

mexicana SAUSS., Rev. mag. zool., 1859, 207 (1859), *Mex.*; Orth. novæ amer., i, 10 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 331 (1869), *Id.* — THOM., Can. ent., iv, 17 (1872), *Id.*; Ann. rep. U. S. geol. surv. terr., v, 445 (1872), *Id.*

monoceros SAUSS.-PICT., Biol. centr. amer., Orth., 376, 378 (1898), *Guat.*

mucronata GLOV., Rep. U. S. dep. agric., 1871, 80, fig. 14 (1871), *D. C., S. A., W. I.* — THOM., Can. ent., iv, 16-17 (1872), *Id.*; Ann. rep. U. S. geol. surv. terr., v, 444 (1872), *D. C.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 8, pl. 8, fig. 14 (1872). — RIL., Stand. nat. hist., ii, 187 (1884), *Id.* — SCUD., Cat. Orth. U. S., 71 (1900), *Id.*

rhinoceros PICT., Mém. soc. phys. hist. nat. Gén., xxx, pt. 6, 48-49, pl. 2, fig. 25 (1888), *Amer. centr.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 342-343 (1891), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 376, 377, 378 (1898), *Nicar., Pan.*

Corydia (Holocompsa)

azteca SAUSS., Rev. mag. zool., 1862, 230 (1862), *Mex.*; Orth. nova amer., iii, 13 (1862), *Id.*

collaris BURM., Handb. ent., ii, 492 (1838), *St. Thom.*

cyanea BURM., Handb. ent., ii, 492 (1838), *St. Thom.*

Coscineuta

coxalis GIGL.-TOS., Boll. mus. zool. univ. Tor., xii, no. 301, 4 (1897), *Darien.*

virens STÅL, Rec. Orth., i, 52 (1873), *St. Barthol.*

Cosmorhyssa

haydeni THOM., Rep. U. S. geol. surv. w. 100 mer., v, 382 (1875).

Cota

saxosa BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 61 (1895), *Nicar.*

Cratypedes

putnami THOM., Proc. Davenport acad. nat. sc., i, 257-258, pl. 36, fig. 6

(1876), *Col.*; Can. ent., xii, 223-224 (1880), *Id.*; Rep. U. S. ent. comm., ii, 259 (1881).

Creoxylus

poeyi SAUSS., Rev. mag. zool., (2), xx, 68 (1868), *Cuba*; Miss. scient. Mex., Rech. zool., vi, 196-197 (1872), *Id.*

spinosus WESTW., Cat. Phasm., 104 (1859), *In Indiis, Demerara*.

Cryptocercus

punctulata SCUDD., Bost. journ. nat. hist., vii, 420-421 (1862), *Va., N. Y., Penn.* — PACK., Guide ins., 576 (1869), *Southwards*. — SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 149-150, pl. 10, figs. 53, 53a-c (1872), *U. S., Tenn.*; Mém. orth., ii, 149-150, pl. 10, figs. 53, 53a-c (1872), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 20 (1872). — GIR., Traité ent., ii, 65 (1879), *Tenn.* — GARM., Orth. Ky., 10 (1894), *Ky.* — SCUDD., Cat. Orth. U. S., 11 (1900), *Va., Cala.*

Ctenophlebia

azteca SAUSS.-PICT., Biol. centr. amer., Orth., 346-347, pl. 16, figs. 17-19 (1898), *Mex., Nicar., Pan.*

zetterstedtii BRUNN., Mon. Phaner., 304, pl. 6, fig. 88 (1878), *Puna, Colombia, Pan.*; Verh. zool.-bot. ges. Wien, 1891, 153 (1891). — SAUSS.-PICT., Biol. centr. amer., Orth., 346, 347 (1898), *Pan., Ecuador, Colombia.*

Curtilla

Sæ Gryllotalpa (Curtilla).

Cyclocercus

accola SCUDD., Rev. Mel., 37, 38-39, pl. 3, fig. 5 (1897), *Tex., Mex.*; Cat. Orth. U. S., 49 (1900), *Tex.*

bistrigata SCUDD., Rev. Mel., 37-38, pl. 3, fig. 4 (1897), *Mex.*

valga SCUDD., Rev. Mel., 37, 39, pl. 3, fig. 6 (1897), *Mex.*

Cycloptera

incisa STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 37 (1875), *Chiriqui.*

Cycloptilus

americanus SAUSS., Miss. scient. Mex., Rech. zool., vi, 426-427, pl. 8, figs. 41, 41a, 42 [poeyi in expl. pl.] (1874), *Cuba*; Mém. soc. phys. hist. nat. Gen., xxv, 309 (1877), *Id.*; Mém. orth., ii, 477 (1877), *Id.* — BOL., Mém. soc.

zool. France, i, 157 (1888), *Id.* ; Orth. Cuba, 42 (1888), *Id.* — GUNDL., Ent. cub., ii, 370 (1891), *Id.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien, Venez.*

borealis BRUN., Can. ent., xxiii, 37 (1891), *Nebr.* ; Publ. Nebr. acad. sc., iii, 33 (1893), *Id.* — SCUDD., Cat. Orth. U. S., 88 (1900), *Id.*

poeysi SAUSS., Miss. scient. Mex., Rech. zool., vi, expl. pl. 8, figs. 41, 41a, 42 [americanus in text] (1874), *Cuba.*

squamosus SCUDD., Proc. Bost. soc. nat. hist., xii, 142 (1868), *Tex.* ; Ent. notes, ii, 5 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 108 (1869), *Id.* — THOM., Amer. ent., ii, 207 (1870), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 427 (1874), *Id.* ; Mém. soc. phys. hist. nat. Gen., xxv, 309 (1877), *Id.* ; Mém. orth., ii, 477 (1877), *Id.* — SCUDD., Cent. Orth., 6 (1879), *Id.* — SAUSS., Biol. centr. amer., Orth., 231 (1897), *Tex., north. Mex.* — SCUDD., Cat. Orth. U. S., 88 (1900), *Tex.*

Cylindrogaster

jansoni KIRB., Journ. Linn. soc. Lond., xxiii, 507-508 (1890), *Nicar.*

Cyphocrana

angulata SERV., Ann. sc. nat., xxii, 61 (1831), *St. Vinc., Guadeloupe.*

reticulata WESTW., Cat. Phasm., 108 (1859), *St. Dom.*

Cyphoderris

monstrosa UHL., Proc. ent. soc. Philad., ii, 552-553 (1864), *Oreg.* — WALK., Cat. Derm. salt. Brit. mus., ii, 248 (1869), *Id.* — THOM., Proc. Dav. enp. acad. nat. sc., i, 263, pl. 36, fig. 7 (1876), *Wyo.* — SCUDD., Can. ent., xxxi, 117 (1899), *Oreg.* ; Cat. Orth. U. S., 80 (1900), *Oreg. to Wyo., Alberta.*

Cyrtacanthacris

alutacea WALK., Cat. Derm. salt. Brit. mus., iv, 609 (1870), *Fla., U. S.*

americana WALK., Cat. Derm. salt. Brit. mus., iii, 550 (1870), *Geo.*

See also Acridium (Cyrtacanthacris) americanum.

concolor WALK., Cat. Derm. salt. Brit. mus., iv, 610 (1870), *Mex.*

cubensis WALK., Cat. Derm. salt. Brit. mus., iii, 598 (1870), *Cuba.*

differentialis WALK., Cat. Derm. salt. Brit. mus., iv, 610 (1870), *Ill.*

diversifera WALK., Cat. Derm. salt. Brit. mus., iv, 611-612 (1870) *N. A.*

inscripta WALK., Cat. Derm. salt. Brit. mus., iii, 550-551 (1870), *Jam.*

milberti WALK., Cat. Derm. salt. Brit. mus., iii, 550 (1870), *N. A.*

pectoralis WALK., Cat. Derm. salt. Brit. mus., iii, 551 (1870), *St. Dom.*

simulatrix WALK., Cat. Derm. salt. Brit. mus., iv, 610 (1870), *St. Dom.*

unilineata WALK., Cat. Derm. salt. Brit. mus., iv, 611 (1870), *Ind.*

Cyrtolopha

formosa STÅL, Rec. Orth., i, 118 (1873).

Cyrtophyllus

concausus SCUDD., Bost. journ. nat. hist., vii, 444 (1862), *Mass., Conn., N. Y.* — PACK., Guide ins., 566, fig. 503 (1869), *Atl. st.* — SMITH, Rep. Conn. bd. agric., 1872, 356, 380, fig. 5 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 15 (1872). — SCUDD., Psyche, i, 93, fig. (1875), *U. S. e. of Rocky Mts.* — THOM., Proc. Dav. acad. nat. sc., i, 202 (1876), *Iowa.* — BESS., Bienn. rep. Iowa agric. coll., vii, 206 (1877), *Id.* — SAUND., Ins. inj. fruits, 291-292, fig. 302 (1883). — RIL., Stand. nat. hist., ii, 187-188, fig. 264 (1884), *Centr. and east. U. S.* — COMST., Intr. ent., 115-116 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 104, fig. 10 (1888), *N. E.*; Orth. N. E., 20, fig. 10 (1888), *Id.* — PACK., Psyche, v, 198 (1889). — DAV., Ent. amer., v, 80 (1889). — SMITH, Cat. ins. N. J., 409 (1890), *N. J.* — MCNEILL, Psyche, vi, 22-23 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 20, 23, fig. 11 (1892). — SCUDD., Rep. ent. soc. Ont., xxiii, 70-72, figs. 46, 47 (1893). — BLATCHL., Proc. Ind. acad. sc., 1892, 109-111 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 279, pl. 6, fig. 1 (1894), *N. Y.* — BRUN., Nebr. st. hort. rep., 1895, 69 (1895). — SMITH, Science, n. s., ii, 591 (1895), *Mid. and east. st.* — COUES, Ibid., n. s., ii, 666 (1895). — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — LUGG., Orth. Minn., 226-228, figs. 151, 152 (1898), *Minn.* — BLATCHL., Gleanings, 214-215, fig. 48 (1899), *Ind.* — SMITH, Ins. N. J., 160, fig. 71 (1900), *N. J.*

See also *Platyphyllum* (*Cyrtophyllus*) *concausum*.

crepitans REDT.-BRUNN., Proc. zool. soc. Lond., 1892, 213-214, pl. 17, figs. 14a-d (1892), *St. Vinc.* — BRUNN., Mon. Pseudoph., 240-241, pl. 9, fig. 104 (1895), *Id.*

perspicillatus BURM., Handb. ent., ii, 697 (1838), *S. C.* — SCUDD., Bost. journ. nat. hist., vii, 444 (1862), *Tex.* — RIL., Stand. nat. hist., ii, 188 (1884), *South. U. S.* — COMST., Intr. ent., 116 (1888). — BLATCHL., Proc. Ind. acad. sc., 1892, 152 (1894). — BRUNN., Mon. Pseudoph., 239-240 (1895), *S. C., Mass., Conn., N. Y., Geo.* — SCUDD., Cat. Orth. U. S., 71 (1900), *U. S. e. of Rocky Mts.*; Psyche, ix, 103 (1900), *N. E.*

See also *Locusta* (*Cyrtophyllus*) *perspicillata*.

Cyrtoxiphus

angusticollis SAUSS., Miss. scient. Mex., Rech. zool., vi, 377-378, pl. 7, fig. 2 (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 488 (1878), *Amér. centr.*; Mém. orth., ii, 628 (1878), *Id.*; Biol. centr. amer., Orth., 238 (1897), *Mex., Pan.*

aztecus SAUSS., Miss. scient. Mex., Rech. zool., vi, 375-376 (1874), *Mex.*;

Mém. soc. phys. hist. nat. Gen., xxv, 486 (1878), *Mex., Brazil*; *Mél. orth.*, ii, 626 (1878), *Id.* — BRUN., *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 68 (1895), *Nicar.* — SAUSS., *Biol. centr. amer., Orth.*, 235-236, pl. 11, figs. 38, 39 (1897), *Mex., Guat., Guiana.*

championi SAUSS., *Biol. centr. amer., Orth.*, 236 (1897), *Pan.*

chichimecus SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 490 (1878), *Mex.*; *Mél. orth.*, ii, 630 (1878), *Id.*; *Biol. centr. amer., Orth.*, 238 (1897), *Id.*

delicatulus SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 82 (1877), *Fla.*; *Ent. notes*, vi, 23 (1878), *Id.*; *Cat. Orth. U. S.*, 91 (1900), *Id.*

gundlachi SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 373-375 (1874), *Mex., U. S.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 82 (1877), *South. U. S.*; *Ent. notes*, vi, 23 (1878), *Id.* — SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 480 (1878), *Antill., Cuba, Brésil*; *Mél. orth.*, ii, 620 (1878), *Id.* — BOL., *Mém. soc. zool. France*, i, 158-159 (1888), *Cuba*; *Orth. Cuba*, 43-44 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 373-374 (1891), *Id.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 220 (1892), *St. Vinc., Cuba, Brazil.* — COCK., *Journ. inst. Jam.*, i, 258 (1893), *Jam.* — ASHM., *Ins. life*, vii, 25 (1894), *Miss.* — BRUN., *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 68 (1895), *Nicar.* — SCUDD., *Cat. Orth. U. S.*, 91 (1900), *South. st.*

imitator SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 487 (1878), *Ant. W., Cuba*; *Mél. orth.*, ii, 627 (1878), *Id.* — BOL., *Mém. soc. zool. France*, i, 160-161 (1888), *Cuba*; *Orth. Cuba*, 45-46 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 376 (1891), *Id.*

insularis SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 517 (1879), *Jam.*

latipennis SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 515 (1879), *Jam.*

macilentus SAUSS., *Biol. centr. amer., Orth.*, 235, pl. 11, fig. 45 (1897), *Pan.*

olmecus SAUSS., *Biol. centr. amer., Orth.*, 236-237, pl. 11, figs. 42, 43 (1897), *Mex.*

pictus SAUSS., *Biol. centr. amer., Orth.*, 237 (1897), *Pan.*

poeyi BOL., *Mém. soc. zool. France*, i, 159-160 (1888), *Cuba*; *Orth. Cuba*, 44-45 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 375 (1891), *Id.*

smithi SAUSS., *Biol. centr. amer., Orth.*, 236 (1897), *Mex.*

tibialis SAUSS., *Biol. centr. amer., Orth.*, 236 (1897), *Mex.*

toltecus SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 376-377 (1874), *Mex.*; *Mém. soc. phys. hist. nat. Gen.*, xxv, 491-492 (1878); *Mél. orth.*, ii, 627-628 (1878); *Biol. centr. amer., Orth.*, 237-238, pl. 11, fig. 44 (1897), *Mex., Guat., Pan., Costa Rica.*

variegatus BRUN., *Publ. Nebr. acad. sc.*, iii, 32 (1893), *Nebr.*

vittatus BOL., *Mém. soc. zool. France*, i, 159 (1888), *Cuba*; *Orth. Cuba*, 44 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 374-375 (1891), *Id.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 220 (1892), *St. Vinc., Cuba.* — BRUNN., *Ibid.*, 1893, 610 (1893), *Grenada, St. Vinc., Cuba.*

Dactylotum

bicolor CHARP., Orth. descr., pl. 52 (1841-1843), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iv, 795 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 220 (1873), *Id.* — UHL., Bull. U. S. geol. surv. terr., iii, 795 (1877), *Mex., Tex., N. Mex., Ariz., Indian Terr., Kans., Col.* — RIL., Stand. nat. hist., ii, 202 (1884), *Mex., Cala.*

longipenne BRUN., Towns., Ins. life, vi, 30 (1893), *Grand Cañon of the Colorado.*

pictum GERST., Stett. ent. zeit., xxxiv, 192 (1873), *Mex.* — RIL., Stand. nat. hist., ii, 202 (1884), *Col., Kans., Nebr.* — BRUN., Bull. Washb. coll., i, 137 (1885), *Kans.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*; Sp. bull. dep. ent. univ. Nebr., ii, 7, fig. 4a (1895); Rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.*; Ibid., 1899, 247 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 67 (1900), *Col., southw.* •

See also Pezotettix (*Dactylotum*) pictus.

variegatum Towns., Ins. life, vi, 30-31 (1893), *N. Mex.* — SCUDD., Cat. Orth. U. S., 67 (1900), *N. Mex. to Cala.*

Daihinia

brevipes GIR., Marcy, Expl. Red Riv., 257, pl. 15, figs. 9-13 (1853), *La.*; Ibid., ed. alt., 240, pl. 15, figs. 9-13 (1854), *Id.* — SCUDD., Bost. journ. nat. hist., vii, 443-444, figs. 3ab (1862), *Nebr.* — WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 7, figs. 14, 15 (1872). — BRUN., Verh. zool.-bot. ges. Wien, 1888, 304 (1888), *Id.*; Mon. Stenop., 60 (1888), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxx, 108-109 (1894), *East. margin Rocky Mts. 34°-44° N. lat.*; Cat. Orth. U. S., 85 (1900), *Id.*

See also Phalangopsis (*Daihinia*) brevipes.

gigantea BRUN., Bull. Washb. coll., i, 127 (1885), *Kans.*; Ibid., i, 195 (1886), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxx, 108, 109 (1894), *Nebr., Ind. Terr.* — Cat. Orth. U. S., 85 (1900), *Id.*

mexicana SAUSS., Rev. mag. zool., 1859, 212 (1859), *Mex.*; Orth. nova amer., i, 15 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Id.*

robusta GIR., Marcy, Expl. Red Riv., 257 (1853), *N. Mex.*; Ibid., ed. alt., 246 (1854), *Id.*

See also Phalangopsis (*Daihinia*) robusta.

Damasippus

westwoodi STÅL, Rec. Orth., iii, 101 (1875), *Pan.*

Dasyposoma

punctulatum BRUN., Blatt., 389 (1865), *Va., N. Y., Penn.* — WALK.,

Cat. Derm. salt. Brit. mus., i, 124 (1869), *U. S.* — SAUSS.-ZEHNTN., *Rev. suisse zool.*, iii, 57 (1895), *N. A.*

Dectes

trilineatus. See *Decticus trilineatus*.

Decticus

derogatus WALK., *Cat. Derm. salt. Brit. mus.*, ii, 260 (1869), *Mass.* — SCUDD., *Can. ent.*, xxvi, 183 (1894).

dorsalis BURM., *Handb. ent.*, ii, 713 (1838), *S. C.*

pachymerus BURM., *Handb. ent.*, ii, 712 (1838), *S. C.*

pallidipalpus THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 442-443 (1872), *Utah, Idaho.* — GLOV., *Ill. N. A. ent., Orth.*, pl. 9, fig. 8 (1872). — THOM., *Proc. Dav. acad. nat. sc.*, i, 262 (1876), *Utah*.

sphagnorum WALK., *Cat. Derm. salt. Brit. mus.*, ii, 258-259 (1869), *Huds. Bay*; *Can. ent.*, iv, 30 (1872), *Id.* — SCUDD., *Ibid.*, xxvi, 183 (1894).

trilineatus THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 443 (1872), *Wyo.* — BRUN., *Bull. div. ent. U. S. dep. agric.*, xxvii, 31 (1892); [*Dectes*] *Publ. Nebr. acad. sc.*, iii, 31 (1893), *Nebr.*

Dellia

insulana STÅL., *Bih. sv. vet.-akad. handl.*, v, no. 4, 83 (1878), *Cuba.* — BOL., *Mém. soc. zool. France*, i, 146 (1888), *Id.*; *Orth. Cuba* 31 (1888). *Id.* — GUNDL., *Ent. cub.*, ii, 344-345 (1890), *Id.*

Dendromantis

phryganoides COCK., *Journ. inst. Jam.*, i, 258 (1893), *Jam.*

Dendrotettix

longipennis BRUN., *Can. ent.*, xxiii, 191-192 (1891), *Tex.*; *Ins. life*, iv, 20 (1891); *Rep. ent. soc. Ont.*, xxii, 47 (1891); *Bull. div. ent. U. S. dep. agric.*, xxvii, 33 (1892). — RIL., *Ins. life*, v, 255-256 (1893), *Tex., Mo.* — BRUN., *Bull. div. ent. U. S. dep. agric.*, xxviii, 14-15, fig. 4 (1893), *Tex.*

longipennis quercus RIL., *Ins. life*, v, 256 (1893), *Mo.*

quercus RIL., *Proc. ent. soc. Wash.*, i, 86 (1888), *Mo.* — PACK., *Rep. U. S. ent. comm.*, v, 214-215 (1890). — BRUN., *Publ. Nebr. acad. sc.*, iii, 28 (1893), *Nebr.* — SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 205 (1897), *Mo. to Tex.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 135 (1897), *Nebr.* — SCUDD., *Rev. Mel.*, 92-94, pl. 7, fig. 2 (1897), *Mo., Tex., Nebr., Iowa, Ill.* — McNEILL, *Psyche*, viii, 334 (1899), *Ark.* — SCUDD., *Cat. Orth. U. S.*, 51 (1900), *Iowa to Tex.*

See also *Dendrotettix longipennis quercus*.

Derotmema

brunnerianum SAUSS., Prodr. Oed., 155-156 (1884), *Col.*

cupidineum SCUDD., Ann. rep. chief eng., 1876, 513-514 (1876), *N. Mex.*; Ann. rep. geol. surv. w. 100 mer., 1876, 293-294 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SAUSS., Prodr. Oed., 156-157 (1884), *Id.* — SCUDD., Cat. Orth. U. S., 38 (1900), *Id.*; Proc. amer. acad. arts sc., xxxv, 388, 391 (1900), *N. Mex., Wyo., Col., Utah.*

delicatulum SCUDD., Proc. amer. acad. arts sc., xxxv, 388, 390 (1900), *Cal., Ariz.*

haydeni BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 38-39 (1900), *Nebr., Col., Wyo.*; Proc. amer. acad. arts sc., xxxv, 388, 392 (1900), *Col., Wyo., Nebr., Kans., Tex.*

laticinctum SCUDD., Proc. amer. acad. arts sc., xxxv, 388, 389-390 (1900), *N. Mex., Ariz.*

rileyianum SAUSS., Prodr. Oed., 156 (1884), *Idaho.* — SCUDD., Cat. Orth. U. S., 39 (1900), *Id.*

saussureanum BRUN., Scudd., Proc. amer. acad. arts sc., xxxv, 388, 391-392 (1900), *Cal.*

Derotmema (Tmetodera)

lentiginosum SCUDD., Proc. amer. acad. arts sc., xxxv, 389, 393-394 (1900), *Col.*

lichenosum SCUDD., Proc. amer. acad. arts sc., xxxv, 389, 394-395 (1900), *Wyo., Utah, Col.*

rileyianum SCUDD., Proc. amer. acad. arts sc., xxxv, 388, 392-393 (1900), *Idaho. Nev., Wyo., Utah, Col.*

Diapherodes

angulata BURM., Handb. ent., ii, 574 (1838), *W. I.*

See also Phasma (Diapherodes) angulatum.

christopheri WESTW., Cat. Phasm., 84, pl. 23, fig. 4 (1859), *St. Christopher.*

gigas WESTW., Cat. Phasm., 84 (1859), *St. Vinc., Guadeloupe.* — BRUN.-REDT., Proc. zool. soc. Lond., 1892, 208 (1892), *Id.* — BRUN., *Ibid.*, 1893, 606 (1893), *Grenada, St. Vinc.*

See also Phasma (Diapherodes) gigas.

spinipes GRAY, Syn. Phasm., 34 (1835), *St. Dom.*

venustula WESTW., Cat. Phasm., 84 (1859), *Cuba.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 185-186 (1872), *Id.* — BOL., Mém. soc. zool. France, i, 140 (1888), *Id.*; Orth. Cuba, 25 (1888), *Id.* — GUNDEL, Ent. cub., ii, 332-333 (1890), *Id.*

See also Phasma (Diapherodes) venustulum.

Diapheroma

calcarata. See *Diapheromera calcarata*.

Diapheromera

bivittata HARR., *Treat. ins. inj. veg.*, 1 ed., 119 (1841, 1842), *Amer.*; *Ibid.*, 2 ed., 130 (1852), *Id.*; *Ibid.*, 3 ed., 146 (1862), *Id.*

calcarata WESTW., *Cat. Phasm.*, 20 (1859), *Mex.* — SAUSS., [-roma] *Miss. scient. Mex.*, *Rech. zool.*, vi, 164-165, pl. 3, figs. 5, 5a (1872), *Id.*

denticrus STÅL., *Rec. Orth.*, iii, 76 (1875), *La.* — SCUDD., *Harp. mag.*, lxxxviii, 456, fig. (1894), *Tex.*; *Can. ent.*, xxvii, 30 (1895), *La.*, *Tex.*; *Cat. Orth. U. S.*, 14 (1900), *Id.*

femorata HARR., *Treat. ins. inj. veg.*, 1 ed., 119 (1841, 1842), *Amer.*; *Ibid.*, 2 ed., 130 (1852), *Id.*; *Ibid.*, 3 ed., 146, fig. 67 (1862), *Id.* — SCUDD., *Can. nat.*, vii, 284 (1862), *Manit.*; *Bost. journ. nat. hist.*, vii, 423-424 (1862), *Mass.*, *N. H.*, *Ill.*, *Manit.*, *Nebr.* — PACK., *Rep. nat. hist. Me.*, 1862, 195 (1862), *N. E.*; *How to coll.*, 55 (1862), *Id.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xi, 325 (1868); *Ibid.*, xii, 99 (1868); *Ent. notes*, ii, 1 (1868). — PACK., *Guide ins.*, 573, fig. 566 (1869), *Atl. st.* — SMITH, *Rep. Conn. bd. agric.*, 1872, 378, 383 (1872), *Conn.* — GLOV., *Ill. N. A. ent.*, *Orth.*, pl. 1, fig. 7, pl. 10, fig. 1 (1872). — ROG., *Can. ent.*, iv, 200 (1872), *Ont.* — CAULF., *Ibid.*, v, 60 (1873), *Montreal.* — GLOV., *Rep. U. S. dep. agric.*, 1873, 134, fig. 6 (1873), *U. S.* — SCUDD., *Hitchc.*, *Rep. geol. N. H.*, i, 379, pl. A, fig. 3 (1874), *N. H.*, *Vt.*, *Manit.*, *Ont.*, *Nebr.*, *Kans.*, *Iowa*, *Va.*, *Tex.*; *Psyche*, i, 139 (1876). — THOM., *Bull. Ill. mus. nat. hist.*, i, 60 (1876), *Ill.* — PROV., [-phomera] *Nat. can.*, viii, 26, fig. 2 (1876), *Montreal*; [-phomera] *Faune ent. Can.*, ii, 14, fig. 2 (1877), *Id.* — BESS., *Bienn. rep. Iowa agric. coll.*, vii, 210 (1877), *Iowa.* — RIL., *Rep. U. S. ent.*, 1878, 36-40, pl. 3, figs. a-e (1879), *N. Y.*; *Stand. nat. hist.*, ii, 176-177, fig. 253 (1884), *Mid. st.* — BRUN., *Bull. Washb. coll.*, i, 125 (1885), *Kans.* — CAULF., *Can. ent.*, xviii, 211 (1886), *Montreal*; *Can. rec. sc.*, ii, 402 (1887), *Canada*; *Can. Orth.*, 14-15 (1887), *Id.*; *Rep. ent. soc. ont.*, xviii, 67-68, 71 (1888), *Id.* — COMST., *Intr. ent.*, 95-96, figs. 91, 91a-c (1888). — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 133, fig. 19 (1888), *N. E.*; *Orth. N. E.*, 49, fig. 19 (1888), *Id.* — DAV., *Ent. amer.*, v, 81 (1889), *Staten Is.* — SMITH, *Cat. ins. N. J.*, 497 (1890), *N. J.* — PACK., *Ins. inj. for.*, 222, 317-321, figs. 124a-c (1890). — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1892), *Iowa.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 22 (1893), *Nebr.* — SCUDD., *Harp. mag.*, lxxxviii, 456, 460, fig. (1894), *North. st.* — GARM., *Orth. Ky.*, 9 (1894), *Ky.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 262-263, pl. 10, fig. 10 (1894), *N. Y.* — SCUDD., *Can. ent.*, xxvii, 30 (1895). — BRUN., *Sp. bull. dep. ent. univ. Nebr.*, ii, 7, fig. 4c (1895). — COMST., *Man. study ins.*, 108, fig. 118 (1895), *North. st.* — BLATCHL., *Orth. Ind.*, 9, 20 (1897), *Ind.* — SCUDD., *Psyche*, viii, 30-31 (1897). — BALL, *Proc. Iowa acad. sc.*, iv, 236 (1897), *Iowa.* — WEED, *Life hist. amer. ins.*, 61-64, pl. 5 (1897). — LUGG., *Orth. Minn.*, 100-101, fig. 61 (1898), *Minn.* —

BLATCHEL, Gleanings, 208-209, fig. 45 (1899), *Ind.* — **SCUDD.**, Cat. Orth. U. S., 14 (1900), *North. U. S. and Can., e. of Rocky Mts.* — **FOGG**, Proc. Manch. inst. arts sc., i, 42 (1900), *N. H.* — **SCUDD.**, Psyche, ix, 100 (1900), *N. E.* — **SMITH**, Ins. N. J., 152-153, fig. 67 (1900), *N. J.*

SAUSSUREI **KIRB.**, Ann. mag. nat. hist., (6), iii, 501-502 (1889), *St. Michael, Dominica.*

SAYI **GRAY**, Syn. Phasm., 18 (1835), *Amer. sept.* — **FISCH. DE W.**, Bull. soc. imp. nat. Mosc., x, pt. 6, 13 (1837), *Id.* — **WESTW.**, Cat. Phasm., 20 (1859), *Id.* — **THOM.**, Trans. Ill. st. agric. soc., v, 441 (1865), *Ill.* — **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 165-166 (1872), *U. S., Tenn.* — **MCNEILL**, Psyche, vi, 78 (1891), *Ill.*

VELIEI **WALSH**, [-lii] Proc. ent. soc. Philad., iii, 410 (1864), *Nebr.* — **SCUDD.**, Rep. U. S. geol. surv. Nebr., 251 (1872), *Id.* — **THOM.**, Bull. Ill. mus. nat. hist., i, 60 (1876), *Ill.* — **MCNEILL**, Psyche, vi, 78 (1891), *Id.* — **BRUN.**, Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — **SCUDD.**, Can. ent., xxvii, 30 (1895), *Id.*; Cat. Orth. U. S., 14 (1900), *Id.*

WALSHII **BRUN.**, Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

Diaphomera

femorata. See Diapheromera femorata.

Diatrypus

APITHOIDES **SAUSS.**, Biol. centr. amer., Orth., 260, pl. 13, fig. 6 (1897), *Pan.*

CHAMPIONI **SAUSS.**, Biol. centr. amer., Orth. 260, pl. 13, figs. 2, 3 (1897), *Pan.* — **GIGL.-TOS.**, Boll. mus. zool. univ. Tor., xii, no. 301, 9 (1897), *Id.*

JANSONI **SAUSS.**, Biol. centr. amer., Orth., 259-260, pl. 13, fig. 4 (1897), *Nicar.*

SIBILANS **SAUSS.**, Mém. soc. phys. hist. nat. Gen., xxv, 562 (1878), *Antill., Porto Rico*; Mém. orth., ii, 702 (1878), *Id.*

TOLTECUS **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 478-479, pl. 7, fig. 19, (1874), *Mex.*; Biol. centr. amer., Orth. 259, pl. 13, fig. 5 (1897), *Cordova, Tabasco.*

Dibelona

CUBENSIS **BRUNN.**, Verh. zool.-bot. ges. Wien, 1888, 367 (1888), *Cuba*; Mon. Stenop., 123 (1888), *Id.* — **BOL.**, Mém. soc. zool. France, i, 155 (1888), *Id.*; Orth. Cuba, 40 (1888), *Id.* — **GUNDL.**, Ent. cub., ii, 365-366 (1891), *Id.* — **COCK.**, Journ. inst. Jam., i, 258 (1893), *Jam.*

Dichopetala

BREVICAUDA **SCUDD.**, Can. ent., xxxii, 331-332 (1900), *Cala.*

EMARGINATA **BRUNN.**, Mon. Phaner., 77 (1878), *Tex.* — **SAUSS.-PICT.**, Biol.

centr. amer., Orth., 315 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 67 (1900), *Id.*

mexicana BRUNN., Mon. Phaen., 77, pl. 1, fig. 6 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 315 (1897), *Id.* — REHN, Trans. amer. ent. soc., xxvii, 38 (1900), *Id.*

Dichromorpha

brunnea McNEILL, Proc. Dav. acad. nat. sc., vi, 231, 232, pl. 3, figs. 15, 15ab (1897), *Fla.* — SCUDD., Cat. Orth. U. S., 25 (1900), *South. U. S.*

punctulata. See *Dichromorpha viridis punctulata*.

viridis MORSE, Psyche, vii, 326, 388-384, pl. 7, figs. 7, 7ab (1896), *N. E.* — McNEILL, Proc. Davenport acad. nat. sc., vi, 231-232 (1897), *U. S. e. Rocky Mts. exc. Tex. and southw.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 128 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 63 (1898), *Ind.* — LUGG., Orth. Minn., 124, fig. 71 (1898), *Minn.* — MORSE, Psyche, viii, 318, 319, 320, 322 (1899), *N. E.* — McNEILL, Can. ent., xxxi, 53 (1899), *Ark.* — BRUN., Rep. Nebr. bd. agric., 1899, 246, 271 (1899), *Nebr.* — BLATCHL., Gleanings, 241, fig. 67 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 25 (1900), *U. S. e. Rocky Mts.*; Psyche, ix, 301 (1900), *N. E.*

viridis punctulata SMITH, Ins. N. J., 155 (1900), *N. J.*

Dichroplus

mexicanus THER., Berl. ent. zeitschr., xlv, 256 (1900), *Columbia, Mex.*

Dictyophorus

centurio RIL., Stand. nat. hist., ii, 193 (1884), *Ala., Geo., Fla.*

marci BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Fla.* — RIL., Stand. nat. hist., ii, 193 (1884). — PICT.-SAUSS., Bull. ent. soc. suisse, vii, 347 (1887), *Amer. sept.*; Cat. Acrid., i, 17 (1887), *Id.* — SCUDD., Cat. Orth. U. S., 45 (1900), *South. U. S.*

micropterus PICT.-SAUSS., Bull. soc. ent. suisse, vii, 347 (1887), *Amer. sept.*; Cat. Acrid., i, 17 (1887), *Id.*

picticornis THOM., Rep. U. S. geol. surv. w. 100 mer., v, 898 (1875), *Ariz., Mex.*

reticulatus THUNB., Mém. acad. St. Pétersb., v, 259 (1815), *Amer. occid.* — STÅL, Rec. Orth., i, 50 (1873), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 83 (1877), *Fla.*; Ent. notes, vi, 24 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.* — COMST., Intr. ent., 107 (1888). — SCUDD., Rep. ent. soc. Ont., xxiii, 75 (1893); Psyche, viii, 102 (1897), *Tenn.*; Cat. Orth. U. S., 45 (1900), *South. U. S.*

Diestrammena

marmorata SCUDD., *Psyche*, viii, 180, 191 (1898), *Minn.* — LUGG., *Orth. Minn.*, 254-255, fig. 166 (1898), *Id.* — SCUDD., *Cat. Orth. U. S.*, 80 (1900), *Id.*

Diophanes

abbreviatus BRUNN., *Mon. Pseudoph.*, 243 (1895), *Jalapa.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 446, 447 (1898), *Id.*

perspicillatus BRUNN., *Mon. Pseudoph.*, 242, pl. 9, fig. 105 (1895), *Mex., Pan., Paramaribo, Alto-Amazonas, Bolivia.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 446, pl. 21, fig. 18 (1898), *Id.*

rex SAUSS.-PICT., *Biol. centr. amer., Orth.*, 446, 447-448, pl. 21, figs. 21-23 (1898), *Martinique.*

rosaceus STÅL, *Bih. sv. vet.-akad. handl.*, iii, no. 14, 39 (1875), *Chiriqui.*

roseus SAUSS.-PICT., *Biol. centr. amer., Orth.*, 446, 447, pl. 21, figs. 19, 20 (1898), *Pan.*

Diplatys

jansonii BORM., *Biol. centr. amer., Orth.*, 2, pl. 1, figs. 1, 2 (1893), *Guat., Nicar., Pan.*; SCHULTZE, *Tierreich*, xi, 9 (1900), *Id.*

severa BORM., *Biol. centr. amer., Orth.*, 2, pl. 1, fig. 3 (1893), *Pan.*; SCHULTZE, *Tierreich*, xi, 9 (1900), *Id.*

Diplophyllus

pisifolius WALK., *Cat. Derm. salt. Brit. mus.*, ii, 375 (1869), *Mex.*

See also Phylloptera (*Diplophyllus*) *pisifolia*.

Disceratus

karschi BRUNN., *Mon. Pseudoph.*, 216, pl. 8, fig. 92 (1895), *Costa Rica.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 438 (1898), *Id.*

Dissosteira

aequalis FERN., *Ann. rep. Mass. agric. coll.*, xxv, 127 (1888), *N. E.*; *Orth. N. E.*, 43 (1888), *Id.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.*

bollii FERN., *Ann. rep. Mass. agric. coll.*, xxv, 127-128 (1888), *N. E.*; *Orth. N. E.*, 43-44 (1888), *Id.* — DAV., *Ent. amer.*, v, 81 (1889), *Staten Is.* — GARM., *Orth. Ky.*, 9 (1894), *Ky.*

carolina SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 89 (1877), *Fla.*; *Ent. notes*, vi, 30 (1878), *Id.*; *Rep. U. S. ent. comm.*, ii, App., 26 (1881), *Cal., Oreg., Vanc.* — BRUN., *Ibid.*, iii, 57 (1883), *U. S., Can.* — SAUSS., *Prodr. Oed.*, 137-138, pl. fig. 11 (1884), *N. A.* — BRUN., *Can. ent.*, xvii, 10 (1885), *Oreg.*

Bull. Washb. coll., i, 132 (1885), *U. S., Can., Brit. Col., Centr. Amer., W. I., Alaska, Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — CAULF., Can. ent., xviii, 212 (1886), *Montreal*. — McNEILL, *Ibid.*, xix, 58-59 (1887), *Ind.* — CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Can.* — COMST., Intr. ent., 104, (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 127 (1888), *N. E.*; Orth. N. E., 43 (1888), *Id.* — COCK., Ent., xxi, 301 (1888), *Col.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SCHWARTZ, Ins. life, ii, 162 (1889). — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Vict.* — KOEB., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Cala.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 78 (1891), *Ind.* — BRUN., Ins. life, iii, 229 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891). — OSB., *Ibid.*, xxiii, 59 (1891). — HOW., Ins. life, iv, 124 (1891). — McNEILL, Psyche, vi, 64 (1891), *Ill.* — WEED, Can. ent., xxiv, 278 (1892), *Miss.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 6, 12, 34, fig. 4k, pl. 1 (1892), *N. J., Cape Cod.* — SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893); Psyche, vi, 406 (1893). — COCK., Ent. news, iv, 44 (1893), *Col.* — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.* — OSB., Ins. life, v, 323 (1893), *Mo.*; *Ibid.*, vi, 80-81 (1893); Papers Iowa ins., 58 (1893), *Iowa.* — MILL., Ins. life, vi, 19 (1893), *Idaho.* — TOWNS., *Ibid.*, vi, 31 (1893), *N. Mex.* — MORSE, Psyche, vii, 195 (1894), *N. E.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 298-299, pl. 10, fig. 6 (1894), *N. Y.* — COMST., Man. study ins., 111 (1895), *U. S., Can.* — PIERS, Trans. Nova Sc. inst. sc., ix, 214 (1896), *Nova Scotia.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 33 (1897), *Utah.* — MORSE, Psyche, viii, 35, 87-88 (1897), *N. E.* — SCUDD., *Ibid.*, viii, 100-102 (1897), *Mass., N. Y., Iowa, D. C.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 63 (1898), *Ind.* — LUGG., Orth. Minn., 158-159, fig. 95 (1898), *Minn.* — WALK., Can. ent., xxx, 260-261 (1898), *Ont.* — HUNT., Contr. ent. lab. univ. Kans., lxv, 10, 17, 19 (1899), *Kans.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899); Rep. Nebr. bd. agric., 1899, 271 (1899), *Nebr.* — BLATCHL., Gleanings, 242-243, fig. 69 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 36 (1900), *U. S. and Can., ocean to ocean.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. II.* — SCUDD., Psyche, ix, 101-102 (1900), *N. E.* — SMITH, Ins. N. J., 157 (1900), *N. J.*

See also *Oedipoda* (*Dissosteira*) *carolina*.

collaris DAV., Ent. amer., v, 81 (1889), *Staten Is.*

longipennis SCUDD., Ann. rep. chief eng., 1876, 511 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 291 (1876), *Id.* — UHL., Bull. U. S. geol. surv. terr., iii, 795 (1877), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Kans., N. Mex.* — SAUSS., Prodr. Oed., 137 (1884), *Kans., Tex.* — BRUN., Bull. Washb. coll., i, 133 (1885), *Kans.* — McNEILL, Can. ent., xix, 58 (1887). — RIL., Ins. life, iii, 438 (1891). — BRUN., *Ibid.*, iv, 18-19, 41-42 (1891), *Nebr., Kans., Col., Wyo., N. Mex.* — POP., *Ibid.*, iv, 41 (1891), *Col.* — OSB., *Ibid.*, iv, 52, 55 (1891), *Kans.* — BRUN., Can. ent., xxiii, 189-190 (1891), *Col.*; Rep. ent. soc. Ont., xxii, 46-47, 63 (1891). — POP., *Ibid.*,

xxii, 63 (1891). — OSB., *Ibid.*, xxii, 73-74 (1891). — BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 10, 32 (1892). — OSB., *Ibid.*, xxvii, 60, 64 (1892), *Kans.* — RIL., Ins. life, iv, 322 (1892), *Col.* — KELL., *Ibid.*, v, 116 (1892), *Kans.*; Inj. ins. *Kans.*, 43, fig. 21 (1892), *Id.* — BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 36-39, figs. 19ab, 20ab (1893), *Nebr.*, *Kans.*, *Wyo.*, *Col.*, *N. Mex.*; *Ibid.*, xxx, 35 (1893), *Nebr.*; Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*, *Col.*, *N. Mex.*; Rep. Nebr. bd. agric., 1893, 463 (1893), *Nebr.* — MILL., Ins. life, vi, 19 (1893), *Idaho.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 31-32, 36-38 (1897), *Col.*, *Nebr.*; Rep. Nebr. bd. agric., 1896, 108, 124-127, 132, fig. 27 (1897), *Nebr.*, *Col.*, *N. Mex.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44, 45, 53 (1898), *Nebr.*, *Kans.*; Psyche, viii, 291-292, 299, 300 (1898), *Kans.*, *Col.*; Contr. ent. lab. univ. *Kans.*, lxxv, 17, 19, 23 (1899), *Kans.* — BRUN., Rep. Nebr. bd. agric., 1899, 247, 271, fig. 63 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 36 (1900), *Idaho and Mont.*, to *N. Mex. and Tex.*

See also *Oedipoda* (*Dissosteira*) *longipennis*.

nebrascensis BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Nebr.*

obliterata KOLB., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Gala.* — BRUN., Ins. life, iv, 19 (1891), *Idaho*; Can. ent., xxiii, 190 (1891); Rep. ent. soc. Ont., xxii, 47 (1891); Bull. div. ent. U. S. dep. agric., xxviii, 39-40, figs. 21ab (1893), *Oreg.*, *Nev.*, *Cala.*, *Idaho.* — MILL., Ins. life, vi, 21 (1893), *Idaho.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 33, 34 (1897), *Utah*, *SNAKE RIVER*; Rep. Nebr. bd. agric., 1899, 247 (1899), *Nebr.*

spurcata SAUSS., Prodr. Oed., 138 (1884), *Cala.* — COQ., Rep. U. S. ent., 1885, 297 (1886), *Id.*; Bull. div. ent. U. S. dep. agric., xxvii, 40, 49 (1892), *Id.* — SCUDD., Cat. Orth. U. S., 37 (1900), *Cala.*, *Oreg.*

utahensis SAUSS., Add. prodr. Oed., 167 (1888), *Utah.* — SCUDD., Cat. Orth. U. S., 37 (1900), *Id.*

venusta COQ., Rep. U. S. ent., 1885, 297 (1886), *Cala.*

Dissosteira (Oedipoda)

carolina TOWNS., Proc. ent. soc. Wash. i, 266-267 (1890).

Dissosteira (Scirtetica)

marmorata SAUSS., Prodr. Oed., 141 (1884), *Tex.* — FERN., Ann. rep. Mass. agric. coll., xxv, 127, 128 (1888), *N. E.*; Orth. N. E., 43, 44 (1888), *Id.*
picta SAUSS., Prodr. Oed., 141-142 (1884), *Geo.*, *Fla.*

Dissosteira (Spharagemon)

aequalis SAUSS., Prodr. Oed., 139-140 (1884), *N. A.*, *Tex.*

bolli SAUSS., Prodr. Oed., 140 (1884), *Tex.*, *Geo.*

collaris SAUSS., Prodr. Oed., 139 (1884), *Nebr.*, *Col.*, *Ill.*, *Tex.*

cristata SAUSS., Prodr. Oed., 138-139 (1884), *Tex.*

texensis SAUSS., Prodr. Oed., 140 (1884), *Tex.*

venusta SAUSS., Prodr. Oed., 138 (1884), *Calif.*

Diyllus

discophorus STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 41 (1875), *Chiriqui*.

Dociostaurus

cruciatus FIEB., Lotos, iii, 118-119 (1853), *Ungarn, Siebenbürgen, Russland, Türkei, Portugal, Egypten und Nord Amer.*; Syn. Eur. Orth., 18 (1854), *Id.*

ornatus SCUDD., Ann. rep. chief eng., 1876, 507, (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 287 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *N. Mex.*

Dorylaea

rhombifolia SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 73 (1893), *Mex., Centr. Amer., Brazil, E. Indies, Africa.*

Dracotettix

monstrosus BRUN., Proc. U. S. nat. mus., xii, 50-51, pl. 1, fig. 1 (1890), *Calif.* — SCUDD., Cat. Orth. U. S., 45 (1900), *Id.*

plutonius BRUN., N. A. fauna, vii, 267-268 (1893), *Calif.* — SCUDD., Cat. Orth. U. S., 45 (1900), *Id.*

Drepanoxiphus

minutus BRUNN., Mon. Pseudoph., 174, pl. 7, fig. 78 (1895), *Chiriqui*. — SAUSS.-PICT., Biol. centr. amer., Orth., 427 (1898), *Id.*

Dyscophus

saltator BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 68 (1895), *Nicar.*

Echinopsalis

guttata BORM., Biol. cent. amer., Orth., 3, pl. 1, fig. 4 (1893), *Nicar.*; Schultze, Tierreich, xi, 25 (1900), *Id.*

Ectadoderus

aztecus. See *Ectadoderus aztecus*.

Ectatoderus

antillarum REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 218, pl. 17, figs. 16ab (1892), *St. Vinc.* — BRUNN., Ibid., 1893, 609 (1893), *Grenada, St. Vinc.*

aztecus SAUSS., [Ectado-] Biol. centr. amer., Orth., 230, pl. 11, figs. 35, 36 (1897), *Mex.*

Ectecous

cantans SAUSS., Biol. centr. amer., Orth., 244, pl. 12, figs. 8-10 (1897), *Mex., Cayenne.*

Ectemna

crenata SAUSS.-PICT., Biol. centr. amer., Orth., 323, 324 (1897), *Mex.*

dumicola SAUSS.-PICT., Biol. centr. amer., Orth., 323 (1897), *Pan.*

mexicana SAUSS.-PICT., Biol. centr. amer., Orth., 323, 324, pl. 15, figs. 28, 29 (1897), *Mex.*

Ectobia

borealis BRUNN., Blatt., 413 (1865). — BEUT., Bull. amer. mus. nat. hist., vi, 261 (1894), *N. Y.* — DAV., Proc. nat. sc. ass. Staten Isl., v, 97 (1896), *Staten Is.*

flavocincta SCUDD., Bost. journ. nat. hist., vii, 419 (1862), *Mass., west. Lake Sup.* — BRUNN., Blatt. 57 (1865), *Id.* — COMST., Intr. ent., 93 (1888), — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 161-162 (1894), *Ind.* — GARM., Orth. Ky., 10 (1894), *Ky.* — BLATCHL., Orth. Ind., 20 (1897), *Ind.*

germanica SCUDD., Bost. journ. nat. hist., vii, 418 (1862), *Mass., Vt., N. Y., Md.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — WALSH-RIL., Amer. ent., i, 166 (1869), *Ill.* — PACK., Guide ins., 576, fig. 569 (1869), *Mass.* — RIL., Amer. ent., ii, 111 (1870), *U. S.* — GLOV., Rep. U. S. dep. agric., 1870, 77 (1870). — RIL., Ann. rep. ins. Mo., ii, 10 (1870), *U. S.* — SMITH, Rep. Conn. bd. agric., 1872, 378, 383, fig. 11 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 4 (1872); Rep. U. S. dep. agric., 1873, 132, fig. 3 (1873), *Md.* — PROV., Nat. can., viii, 28, fig. 1 (1876), *World*; Faune ent. Can., ii, 11 (1877), *Id.* — GRAT., Amer. nat., xvi, 1022 (1882). — RIL., Stand. nat. hist., ii, 171, fig. 247 (1884). — FYLES, Rep. ent. soc. Ont., xv, 43-44 (1885), *Quebec.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 380, 403 (1887), *Can.*; Can. Orth., 3, 15 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 68, 71 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — HOW., Ins. life, vii, 349 (1895), *D. C.* — COCK., Bull. agric. exp. st. N. Mex. coll. agric., xv, 73 (1895), *N. Mex.* — BALL, Proc. Iowa acad. sc., iv, 235 (1897), *Iowa.*

intercepta. See *Blatta* (*Ectobia*) *intercepta*.

lapponica SAUSS., Miss. scient. Mex., Rech. zool., vi, 12 (1870), *Brazil, prob. Mex., Antill.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 15 (1893), *Cosmop.*

lithophila SCUDD., Bost. journ. nat. hist., vii, 418 (1862), *Mass.* — ПАК., Guide ins., 576 (1869), *N. E.* — CAULF., Can. rec. sc., ii, 403 (1887), *Ont.*; Can. Orth., 15 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — BLATCHL., Orth. Ind., 7, 20 (1897), *Ind.*

mysteca. See *Blatta* (*Ectobia*) *mysteca*.

pellucida. See *Blatta* (*Ectobia*) *pellucida*.

translucida. See *Blatta* (*Ectobia*) *translucida*.

Ectobia (Theganopteryx) .

fallax SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 233-234 (1869), *Mex.*; Mém. orth., i, 53-54 (1869), *Id.*

Ectotrypus

olmecus SAUSS., Miss. scient. Mex., Rech. zool., vi, 467-468 (1874), *Mex.*, Mém. soc. phys. hist. nat. Gen., xxv, 617, pl. 18, fig. 60 (1878), *Id.*; Mém. orth., ii, 757, pl. 18, fig. 60 (1878), *Id.*; Biol. centr. amer., Orth., 280 (1897), *Id.*

Elaeochlora

caternaultii GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.*

Empusa

chlorophaea BLANCH., Hist. nat. ins., iii, 2, pl. 3, fig. 1 (1840), *N. Y.*

fronticornis SERV., Orth., 144 (1839), *Antilles, mais sans doute par erreur.*

gongyloides WESTW., Drury, Ins., i, 122, pl. 1, fig. 2 (1837), *Madras, Philadelphia (sed ?), Afr., Asia, E. I.*

pectinicornis LAM., Hist. nat. anim. sans vert., iv, 251 (1817), *Jam.* — SERV., Ann. sc. nat., xxii, 48 (1831), *Id.* — LAM., Hist. nat. anim. sans vert., 2 ed., iv, 452 (1835), *Id.*; Ibid., 3 ed., ii, 155 (1839), *Id.*

pennicornis WESTW., Drury, Ins., i, 121, pl. 1, fig. 1 (1837), *Jam.*

Encoptolophus

costalis SCUDD., Proc. Bost. soc. nat. hist., xvii, 480 (1875), *Tex.*; Ent. notes, iv, 79 (1875), *Id.* — RIL., Rep. U. S. ent. comm., i, 221, 226 (1878), *Mo.* — BRUN., Ibid., iii, 56 (1883), *Tex.* — SAUSS., Prodr. Oed., 77-78 (1884),

Id. — TOWNS., *Ins. life*, vi, 31 (1893), *N. Mex.* — SCUDD., *Cat. Orth. U. S.*, 32 (1900), *Tex.*, *N. Mex.*, *Mo.*

pallidus BRUN., *N. A. fauna*, vii, 266 (1893), *Cal.* — SCUDD., *Cat. Orth. U. S.*, 32 (1900), *Id.*

parvus SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 480 (1875), *Tex.*; *Ent. notes*, iv, 79 (1875), *Id.* — BRUN., *Rep. U. S. ent. comm.*, iii, 57 (1883), *Id.* — SAUSS., *Prodr. Oed.*, 78 (1884), *Id.* — SCUDD., *Cat. Orth. U. S.*, 32 (1900), *Id.*

sordidus SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 479 (1875), *N. E. to Md., Tenn. and Fla., west to Nebr., Iowa, Minn.*; *Ent. notes*, iv, 78 (1875), *Id.* — THOM., *Bull. Ill. mus. nat. hist.*, i, 64 (1876), *Ill.* — RIL., *Rep. U. S. ent. comm.*, i, 221, 226 (1878), *Mo.* — BRUN., *Ibid.*, iii, 56 (1883), *U. S.* — SAUSS., *Prodr. Oed.*, 77 (1884), *N. E., Geo., Tex.* — BRUN., *Bull. Washb. coll.*, i, 132 (1885), *Kans.* — CAULF., *Can. ent.*, xviii, 212 (1886), *Montreal*; *Rep. ent. soc. Ont.*, xviii, 70 (1888), *Can.* — COMST., *Intr. ent.*, 103, fig. 93 (1888). — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 125, fig. 16 (1888), *N. E.*; *Orth. N. E.*, 41, fig. 16 (1888), *Id.* — COQ., *Ins. life*, i, 228 (1889), *Cal.* — DAV., *Ent. amer.*, v, 81 (1889), *Staten Is.* — SMITH, *Cat. ins. N. J.*, 413 (1890), *N. J.* — TOWNS., *Proc. ent. soc. Wash.*, ii, 43-44 (1891). — BLATCHL., *Can. ent.*, xxiii, 77 (1891), *Ind.* — MCNEILL, *Psyche*, vi, 63 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 76 (1893). — BRUN., *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.* — OSB., [*Oncop.*] *Ins. life*, v, 323 (1893), *Mo.* — MORSE, *Psyche*, vi, 406 (1893), *Mass.*; *Ibid.*, vii, 105 (1894), *N. E.* — GARM., *Orth. Ky.*, 9 (1894), *Ky.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 296, pl. 10, fig. 2 (1894), *N. Y.* — COMST., *Man. study ins.*, 110, fig. 121 (1895), *East. U. S.* — MORSE, *Journ. N. Y. ent. soc.*, iv, 19 (1896); *Psyche*, viii, 8, 35, 66, pl. 2, fig. 19 (1897), *N. E.* — BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.* — SCUDD., *Psyche*, viii, 100 (1897), *Vt., Mass.* — BALL., *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 131 (1897), *Nebr.* — BLATCHL., *Can. ent.*, xxx, 63 (1898), *Ind.* — LUGG., *Orth. Minn.*, 147-148, fig. 86 (1898), *Minn.* — WALK., *Can. ent.* xxx, 259 (1898), *Ont.*; *Ibid.*, xxxi, 36 (1899), *Id.* — SCUDD., *Cat. Orth. U. S.*, 32 (1900), *U. S. and Can. e. Gr. Plains.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.* — SCUDD., *Psyche*, ix, 101 (1900), *N. E.* — SMITH, *Ins. N. J.*, 157 (1900), *N. J.*

See also Oedipoda (Encoptolophus) sordida.

Endacustes

apterus GIGL.-TOS, *Boll. mus. zool. univ. Tor.*, xii, no. 301, 8 (1897), *Darien.*

aztecus SAUSS., *Biol. centr. amer., Orth.*, 250, pl. 12, figs. 20-22 (1897), *Tabasco.*

darienicus GIGL.-TOS, *Boll. mus. zool. univ. Tor.*, xii, no. 301, 7-8 (1897), *Darien.*

dispar REDT., *Brunn.-Redt., Proc. zool. soc. Lond.*, 1892, 219, pl. 17, fig. 18 (1892), *St. Vinc.*

Eneoptera

annulata SCUDD., Proc. Bost. soc. nat. hist., xii, 140 (1868), *Centr. Amer.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 516 (1874), *Id.* — SCUDD., Cent. Orth., 4 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 214-215 (1896).

grylloides WALK., Cat. Derm. salt. Brit. mus., i, 66 (1869), *Jam.*

See also Gryllus (Eneoptera) grylloides.

insularis WALK., Cat. Derm. salt. Brit. mus., i, 66 (1869), *Jam.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

surinamensis SAUSS., Miss. scient. Mex., Rech. zool., vi, 483-484 (1874), *Amér. trop., etc.*; Biol. centr. amer., Orth., 257 (1897), *Nicar., Pan., Guiana, Brazil, Peru.*

Engoniaspis

testacea SCUDD., Cat. Orth. U. S., 75, 96-97 (1900). *Mo*

Eotettix

signatus SCUDD., Rev. Mel., 54-55, pl. 4, fig. 7 (1897), *Fla.*; Cat. Orth. U. S., 49 (1900), *Id.*

Epaphrodita

dentifrons SAUSS., Miss. scient. Mex., Rech. zool., vi, 281-282 (1872), *Antill., Cuba.* — BOL., Mém. soc. zool. France, i, 135 (1888), *Cuba*; Orth., Cuba, 20 (1888), *Id.* — GUNDL., Ent. cub., ii, 324, 386-387 (1890-1891), *Id.*

musarum SERV., Ann. sc. nat., xxii, 52 (1831), *St. Dom.*; Orth., 205 (1839), *Id.* — SAUSS., Mant. amer., 152-154 (1871), *Antill., Haiti, St. Dom., S. Lucia.* — STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 89 (1877), *Port au Prince.* — BOL., Mém. soc. zool. France, i, 135 (1888), *Cuba*; Orth. Cuba, 20 (1888), *Id.* — WESTW., Rev. Mant., 22, pl. 11, figs. 4, 10 (1889), *St. Dom.* — GUNDL., Ent. cub., ii, 324 (1890), *Cuba.*

See also Mantis (Epaphrodita) musarum.

Ephippigera

dorsalis. *See* Locusta (Ephippigera) dorsalis.

maculata. *See* Gryllus (Ephippigera) maculatus.

pachymera. *See* Locusta (Ephippigera) pachymera.

tschivavensis HALD., Stansb. expl. Utah, 371, pl. 10, fig. 3 (1852, 1853), *Chihuahua.* — WALK., Cat. Derm. salt. Brit. mus., iii, 545 (1870), *Utah.* — GLOV., Ill. N. A. ent., Orth., pl. 11, fig. 15 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 250 (1873), *Chihuahua*; Rep. U. S. geol. surv. w. 100 mer., v, 885 (1875), *West. U. S.*

Ephippitytha

- gracilipes** THOM., Proc. acad. nat. sc. Philad., 1870, 76-77 (1870), *Col.*;
 . Ann. rep. U. S. geol. surv. terr., 265, 268 (1871), *Id.*; *Ibid.*, v, 445, pl. 2, fig.
 11, (1872), *Ariz.* — GLOV., Ill. N. A. ent., Orth., pl. 11, fig. 11 (1872).

Epilampra

- azteca** SAUSS., Rev. mag. zool., (2), xx, 356, 357 (1868), *Mex., Cuba*; Miss.
 scient. Mex., Rech. zool., vi, 82-83, pl. 2, fig. 45 (1870), *Mex., Cuba, S. A.* —
 WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 12 (1871), *Mex.,*
Cuba. — BOL., Mém. soc. zool. France, i, 128 (1888), *Cuba*; Orth. Cuba, 13
 (1888), *Id.* — GUNDL., Ent. cub., ii, 310 (1890), *Id.* — SAUSS.-ZEHNTN., Biol.
 centr. amer., Orth., 65 (1893), *Mex.* — SAUSS., Rev. suisse zool., iii, 356
 (1895).
- blaberoides** WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 12-
 13 (1871), *Nicar.*
- brasiliensis** BRUNN., Blatt., 169 (1865), *S. A., Cuba, St. Dom.* — SAUSS.,
 . Rev. suisse zool., iii, 356 (1895).
- brevis** BRUNN., BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 203, pl. 15,
 fig. 3 (1892), *St. Vinc., Cayenne*; *Ibid.*, 1893, 603 (1893), *Grenada, St. Vinc.*
 — SAUSS., Rev. suisse zool., iii, 356 (1895).
- burmeisteri** SAUSS., Orth. Amér. moy., 131, pl. 2, fig. 25 (1864-1865). —
 WALK., Cat. Blatt. Brit. mus., 70 (1868), *Cuba.* — SAUSS., Miss. scient. Mex.,
 Rech. zool., vi, 81-82 (1870), *Antill., Cuba, Mex., Brazil.* — BOL., Mém. soc.
 . zool. France, i, 128 (1888), *Cuba*; Orth. Cuba, 13 (1888), *Id.* — GUNDL., Ent.
 cub., ii, 309-310 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 66
 (1893), *Cuba.* — SAUSS., Rev. suisse zool., iii, 356 (1895). — BRUN., Bull. lab.
 nat. hist. univ. Iowa, iii, pt. 3, 60 (1895). *Nicar.* — BIOLL., Inf. mus. nac.
 Costa Rica, 1899-1900, 45 (1900), *Costa Rica.*
- caraibea** SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 65-66 (1893), *Cuba.*
- columbiana** BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 45 (1900),
Costa Rica.
- conspersa** SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 64-65, pl. 4, fig. 38
 (1893), *Guat., Pan., Guiana.*
- crassa** SAUSS., Rev. mag. zool., (2), xx, 99 (1868), *Mex.*; Miss. scient. Mex.,
 Rech. zool., vi, 80-81 (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v,
 Suppl. cat. Blatt., 12 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth.,
 62-63, pl. 4, fig. 37 (1893), *Id.* — SAUSS., Rev. suisse zool., iii, 355 (1895).
- cubensis** BOL., Mém. soc. zool. France, i, 127 (1888), *Cuba*; Orth. Cuba,
 12 (1888), *Id.* — GUNDL., Ent. cub., ii, 308-309 (1890), *Id.*
- insularis.** See *Epilampra mexicana insularis.*
- mexicana** SAUSS., Orth. Amér. moy., 130, pl. 2, fig. 26 (1864-1865), *Mex.*
 — WALK., Cat. Blatt. Brit. mus., 69 (1868), *Id.* — SAUSS., Miss. scient. Mex.,
 Rech. zool., vi, 80 (1870), *Id.* — GUNDL., Ent. cub., ii, 309 (1890), *Cuba.* —

SAUSS.-ZEHTN., Biol. centr. amer., Orth., 63 (1893), *Mex., Guat.* — SAUSS., Rev. suisse zool., iii, 356 (1895).

mexicana insularis BOL., Mém. soc. zool. France, i, 127-128 (1888), *Cuba*; Orth. Cuba, 12-13 (1888), *Id.*

microspila WALK., Cat. Blatt. Brit. mus., 208 (1868), *St. Dom.*

sabulosa WALK., Cat. Blatt. Brit. mus., 70 (1868), *St. Dom.*

Epilampra (Planes)

mexicana SAUSS., Rev. mag. zool., 1862, 228 (1862), *Mex.*; Orth. nova amer., iii, 2 (1862), *Id.*

Episactus

brunneri BURR, Ess. Eumast., 15, 40, pl. 8, figs. 3, 3a (1899), *Guat.*

Eppia

truncatipennis STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 42 (1875), *Chiriqui.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 448, pl. 4, fig. 61 (1891), *Id., Retalulen.* — SAUSS.-PICT., Biol. centr. amer., Orth., 395 (1898), *Guat., Pan.*

Erechthis

gundlachi BOL., Mém. soc. zool. France, i, 151-152 (1888), *Cuba.*; Orth. Cuba, 36-37 (1888), *Id.* — GUNDL., Ent. cub., ii, 361-362 (1890), *Id.*

Eremnus

deorum McNEILL, Proc. Davenp. acad. nat. sc., vi, 268-269, pl. 6, fig. 1, 29ab (1897), *Col.*

scudderi McNEILL, Proc. Davenp. acad. nat. sc., vi, 268, 269 (1897), *Mont. to Ill., Brit. Amer. to N. Mex.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — LUGG., Orth. Minn., 132-133, fig. 77 (1898), *Minn.*

Eremobia

magna THOM., Rep. U. S. geol. surv. w. 100 mer., v, 886-888, pl. 43, fig. 5 (1875), *Ariz.*; Field for., i, 4 (1875), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

Eremopedes

scudderi COCK., Ann. mag. nat. hist., (7), ii, 323-324 (1898), *N. Mex.* — SCUDD., Cat. Orth. U. S., 78 (1900), *Id.*

scudderi viridis COCK., Ann. mag. nat. hist., (7), ii, 324 (1898), *N. Mex.*

unicolor SCUDD., Cat. Orth. U. S., 78, 97-98, pl. 2, fig. 1 (1900), *Ariz.*
viridis. See *Eremopedes scudderi viridis*.

Eriolus

acutipennis SAUSS.-PICT., Biol. centr. amer., Orth., 383, 384-385, pl. 19, figs. 9, 10 (1898), *Pan.*

brevipennis REDT., Verh. zool.-bot. ges. Wien, 1891, 351 (1891), *Guat.*
 — SAUSS.-PICT., Biol. centr. amer., Orth., 383, 385 (1898), *Id.*

caraibeus BOL., Mém. soc. zool. France, i, 151 (1888), *Cuba*; Orth. Cuba, 38 (1888), *Id.* — GUNDL., Ent. cub., ii, 300 (1890), *Id.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 350 (1891), *Id.*

consobrinus SAUSS.-PICT., Biol. centr. amer., Orth., 383, 384, pl. 19, figs. 6, 7 (1898), *Guat.*, *Pan.*

falcatus SAUSS.-PICT., Biol. centr. amer., Orth., 383, 384, pl. 19, fig. 8 (1898), *Guat.*

longipennis REDT., Verh. zool.-bot. ges. Wien, 1891, 350 (1891), *Costa Rica.* — SAUSS.-PICT., Biol. centr. amer., Orth., 383, 385 (1898), *Id.*

mexicanus SAUSS.-PICT., Biol. centr. amer., Orth., 383, pl. 19, figs. 4, 5 (1898), *Cordova.*

Eritettix

abortivus BRUN., Proc. U. S. nat. mus., xii, 56-57, pl. 1, figs. 8, 9 (1890), *Tex.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 220 (1897), *Id.*

carinatus MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 219 (1897), *Mid. et.* — SCUDD., Cat. Orth. U. S., 21 (1900), *Id.* — SMITH., Ins. N. J., 154 (1900), *N. J.* — REHN, Ent. stud., i, 13 (1900), *Penn.*

navicula MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 220 (1897), *Col.*, *N. Mex.*, *Mont.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.*
 — SCUDD., Cat. Orth. U. S., 21 (1900), *Plains e. of Rocky Mts.*

simplex MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 219-220 (1897), *Del.* — SCUDD., Cat. Orth. U. S., 21 (1900), *Del.*, *Md.*

tricarinatus BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 219 (1897), *Wyo.*, *Iowa.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.* — LUGG., Orth. Minn., 120, fig. 68 (1898), *Minn.*
 — SCUDD., Cat. Orth. U. S., 21 (1900), *North. U. S. e. of Rocky Mts.*

variabilis BRUN., Proc. U. S. nat. mus., xii, 56 (1890), *N. Mex.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218, 219 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 21 (1900), *Id.*

vernalis. See *Eritettix virgatus*.

virgatus BRUN., [vernalis] Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 218-219, pl. 2, figs. 9, 9ab (1897), *Tex.*, *Ark.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.* — MCNEILL, Can. ent., xxxi, 53 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 21 (1900), *Nebr. to. Tex.*

Euacris

pictipennis SAUSS.-PICT., Biol. centr. amer., Orth., 441, pl. 21, figs. 3-8 (1898), *Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Id.*

Eudeopsylla

nigra. See *Udeopsylla nigra*.

Eupnigodes

megacephala SCUDD., Cat. Orth. U. S., 27 (1900), *Cala.*

Euprepocnemis

nebrascensis BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*

Eurycotis

antillarum BRUNN., Proc. zool. soc. Lond., 1893, 603 (1893), *St. Vinc.*

carbonaria BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

finschiana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 72 (1893), *Cuba*.

flavipennis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 71 (1893), *Cuba*.

ingens SCUDD., Cat. Orth. U. S., 9 (1900), *Fla.*

mexicana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 70-71 (1893), *Mex.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

mysteca SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 71 (1893), *Mex.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

occidentalis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 72 (1893), *Antill.*

opaca SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 72 (1893), *Cuba*.

quadrisquamata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 71, pl. 4, fig. 40 (1893), *Guat.*

sabaliana SCUDD., Cat. Orth. U. S., 9 (1900), *Fla.*

tristani BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

unguiculata BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

vittifrons SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 71 (1893), *Guat.*

Euscirtus

mexicanus SAUSS., Miss. scient. Mex., Rech. zool., vi, 501, pl. 7, fig. 14 (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 628 (1878), *Id.*; Mém. orth., ii, 768 (1878), *Id.*; Biol. centr. amer., Orth., 280 (1897), *Id.*

Euthyrrapha

mordelloides WALK., Cat. Blatt. Brit. mus., 59-60 (1868), *Orizaba*.

nitidula WALK., Cat. Blatt. Brit. mus., 191 (1868), *Surinam, Jam.*

Exocephala

bisulca REDT., Verh. zool.-bot. ges. Wien, 1891, 346-347, pl. 3, fig. 7 (1891), *Cayenne, Pan., Guat., Peru, Venez.*—SAUSS.-PICT., Biol. centr. amer., Orth., 381 (1898), *Id.*

punctata REDT., Verh. zool.-bot. ges. Wien, 1891, 348 (1891), *Chiriqui*—SAUSS.-PICT., Biol. centr. amer., Orth., 381, 382 (1898), *Pan.*

Forcinella

azteca DOHRN, Ent. zeit. Stett., xxiii, 226 (1862), *Mex.*

maritima SCUDD., Jones, Guide Berm., 144 (1876), *Bermuda.*

Forficesila

affinis. See Forficula (Forficesila) *affinis*.

americana SERV., Orth., 22 (1839), *St. Dom., Cuba.*—WOOD, Ins. abr., 280-281, fig. 140 (1874), *Jam.*

distincta. See Forficula (Forficesila) *distincta*.

gigantea SERV., Orth., 23, pl. 1, fig. 2 (1839), *Europe, N. A.*—GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 2 (1872).

longissima WOOD, Ins. abr., 280, fig. 139 (1874), *Nicar.*

suturalis DOHRN, Ent. zeit. Stett., xxiii, 226 (1862), *Cordova.*

Forficula

aculeata SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256 (1876), *N. Y., Ill., Mich.*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 262-263, 310 (1876), *Cuba, north. U. S. e. of Miss.*; Ent. notes, v, 17-18, 50 (1876), *Id.*—THOM., Bull. Ill. mus. nat. hist., i, 59 (1876), *Ill.*—BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Ill., Iowa.*—SCUDD., Cent. Orth., 41-42 (1879), *N. Y., Ill., Mich.*—SMITH, Cat. ins. N. J., 405 (1890), *N. J.*—BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.*—BEUT., Bull. amer. mus. nat. hist., vi, 256 (1894), *N. Y.*—SCUDD., Cat. Orth. U. S., 5 (1900), *North. U. S., e. of Miss. Riv.*—SMITH, Ins. N. J., 147 (1900), *N. J.*

albipes FABR., Mant. ins., i, 224 (1787), *Amer. mer. ins.*—GMEL., Linn. syst. nat., 13 ed., iv, 2039 (1789), *Id.*—FABR., Ent. syst., ii, 3 (1793), *Id.*; Nom. ent. emend., 78 (1797, 1810), *Amer. mer.*—SCUDD., Bull. U. S. geol. surv. terr., ii, 255 (1876), *W. I.*; Proc. Bost. soc. nat. hist., xviii, 310-311 (1876), *Id.*; Ent. notes, v, 50-51 (1876), *Id.*—BOL., Mém. soc. zool. France, i, 122 (1888), *Cuba*; Orth. Cuba, 7 (1888), *Id.*—GUNDL., Ent. cub., ii, 300 (1890), *Id.*

americana PALIS., Ins. Afr. Amér., 165, pl. 14, fig. 1 (1817), *St. Dom.*

annulata FABR., Ent. syst., ii, 4 (1793), *Amer. mer. ins.*

auricularia FIEB., Lotos, iii, 254-255 (1853), *Teneriffe, Amer.*; Syn. eur. Orth., 71-72 (1854), *Id.* — JAEGER, N. A. ins., 166 (1854), *N. A.*; *Ibid.*, 2 ed. 118 (1859), *Id.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254-255 (1876), *N. Y., Cuba, Para, Europe, etc.*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 311-312 (1876), *Europe, east. U. S.*; Ent. notes, v, 51-52 (1876), *Id.* — SMITH, Cat. ins. N. J., 405 (1890), *N. J.* — BEUT., Bull. americanus. nat. hist., vi, 256-257 (1894), *N. Y., N. J., etc.* — LINTN., Rep. st. mus. N. Y., xlix, 272 (1896). — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899) — SCUDD., Cat. Orth. U. S., 5-6 (1900), *N. Y., N. J.* — SMITH, Ins. N. J., 14 (1900), *N. J.* — BORM., Schultze, Tierreich, xi, 122-123 (1900), *Asia, N. Afr. Madeira, Canaries, N. A., Cuba, N. Zealand, Brazil.*

bimaculata PALIS., Ins. Afr. Amér., 165, pl. 14, fig. 2 (1817), *St. Dom.* — SERV., Ann. sc. nat., xxii, 32 (1831), *Id.*; Orth., 39 (1839), *Id.* — SCUDD. Bull. U. S. geol. surv. terr., ii, 254, 255 (1876), *Id.*; Proc. Bost. soc. nat. hist. xviii, 312 (1876), *Id.*; Ent. notes, v, 52 (1876), *Id.*

bivittata BURM., Handb. ent., ii, 751 (1838), *St. Dom., Porto Rico, Colombia.*

californica DOHRN, Ent. zeit. Stett., xxvi, 85 (1865), *Cala.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256 (1876), *Id.*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 313 (1876), *Cala.*; Ent. notes, v, 53 (1876), *Id.*

elegans BURM., Handb. ent., ii, 753 (1838), *Ins. St. Johanna.*

elongata FABR., Ent. syst., ii, 4 (1793), *Amer. mer. ins.*; Nom. ent. emend., 78 (1797, 1810), *Amer. ins.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 257 (1876), *W. I.*; Proc. Bost. soc. nat. hist., xviii, 313 (1876), *Id.*; Ent. notes, v, 53 (1876), *Id.* — BORM., Schultze, Tierreich, xi, 129 (1900), *Id.*

erythrocephala FABR., Ent. syst., ii, 4 (1793), *Amer. mer. ins.*

exilis SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256 (1876), *Tex.*; Psyche, i, 177 (1876), *Id.*; Proc. Bost. soc. nat. hist., xviii, 262, 314 (1876), *Id.*; Ent. notes, v, 17, 54 (1876), *Id.*; Cent. Orth., 41 (1879), *Id.*; Can. ent., xix, 69 (1887), *Id.*; Cat. Orth., U. S., 6 (1900), *Id.*

gagatina BURM., [-thina] Handb. ent. ii, 753 (1838), *Portoriko.*

lugubris DOHRN, Ent. zeit. Stett., xxiii, 230 (1862), *Cordova.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 255 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 315 (1876), *Id.*; Ent. notes, v, 55 (1876), *Id.* — BORM., Compt. rend. soc. ent. Belg., xxvii, 87-88, pl. 3, figs. 21, 21ab (1883), *Id.*; Etud. Forf. nouv., 33-34, pl. 3, figs. 21, 21ab (1883), *Id.*; Biol. centr. amer., Orth., 11 (1893), *Id.*; Schultze, Tierreich, xi, 122 (1900), *Id.*

minor BURM., Handb. ent. ii, 754 (1838), *Eur., N. A.* — FISCH., Orth. Eur. 52, 70, pl. 6, figs. 7a-d (1853), *Id.*

parallela WESTW., GUÉR., Mag. zool., vii, cl. 9, pl. 178 (1837), *Mex.*; Intr. class. ins., i, 402 (1839), *Id.* — GERM., Zeitschr. ent., i, 319 (1839), *Id.*

percheroni DOHRN, Ent. zeit. Stett., xxvi, 85 (1865), *Ins. S. Juan.* —

SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 255 (1876), *Cayenne, Mass.*; Proc. Bost. soc. nat. hist., xviii, 316 (1876), *Brazil, Mass.*; Ent. notes, v, 56 (1876), *Id.*; Cat. Orth. U. S., 6 (1900), *Mass.*; Psyche, ix, 99 (1900), *N. E.*

• **procera** BURM., Handb. ent., ii, 753 (1838), *W. I.*

pulchella SERV., Orth., 42 (1839), *Amér. sept., Niagara.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256 (1876), *N. Y.*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 317 (1876), *N. Y.*; Ent. notes, v, 57 (1876), *Id.* — BEUT., Bull. amer. mus. nat. hist., vi, 256 (1894), *Id.* — SCUDD., Cat. Orth. U. S., 6 (1900), *Id.*

ruficeps BURM., Handb. ent., ii, 755 (1838), *Mex.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256-257 (1876), *Id.*; Proc. Bost. soc. nat. hist., xviii, 317 (1876), *Id.*; Ent. notes, v, 57 (1876), *Id.*

smithi BORM., Biol. centr. amer., Orth., 11, pl. 2, fig. 16 (1893), *Mex.*; Schultze, Tierreich, xi, 123 (1900), *Id.*

suturalis BORM., Compt. rend. soc. ent. Belg., 1880, 74 (1880), *Cuba, Brazil*; Etud. Forf. exot., 8 (1880), *Id.*

taeniata DOHRN, Ent. zeit. Stett., xxiii, 230 (1862), *Oaxaca, Mirador.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 255-256 (1876), *Cuba, Ariz., Tex., Mex., Guat., Pan., Brazil*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 318 (1876), *South. U. S. to Brazil*; Ent. notes, v, 58 (1876), *Id.* — DUBR., Anal. soc. esp. hist. nat., viii, 96 (1879), *Mex.* — BORM., Compt. rend. soc. ent. Belg., 1880, 73 (1880), *Mex., Brazil*; Etud. Forf. nouv., 7 (1880), *Id.* — SCUDD., Can. ent., xix, 69 (1887), *Tex.* — BOL., Mém. soc. zool. France, i, 122 (1888), *Cuba, Amer. centr., Mex., Brazil, Philippines*; Orth. Cuba, 7 (1888), *Id.* — GUNDEL, Ent. cub., ii, 299-300 (1890), *Id.*

• **tolteca** SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 256 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 261, 318 (1876), *Id.*; Ent. notes, v, 16, 58 (1876), *Id.*; Cent. Orth., 40 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 202 (1896).

unidentata PALIS., Ins. Afr. Amér., 165, pl. 14, fig. 3 (1817), *St. Dom.* — SERV., Ann. sc. nat., xxii, 33 (1831), *Id.*; Orth., 41 (1839), *Id.*

vara SCUDD., Bull. U. S. geol. surv. terr., ii, 254, 257 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 260-261, 318 (1876), *Id.*; Ent. notes, v, 15-16, 58 (1876), *Id.*; Cent. Orth., 39-40 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 202, 217 (1896).

Forficula (Forficesila)

affinis GUÉR., Sagra, Hist. nat. Cuba, 330, pl. 12, fig. 2 (1857), *Cuba.*

distincta GUÉR., Sagra, Hist. nat. Cuba, 329, pl. 12, fig. 1, (1857), *Cuba.*

Forficula (Labidura)

gigantea FISCH., Orth. Eur., 52, 65, pl. 6, figs. 1a-f (1853), *Eur., Afr., Asia, Amer. sept.*

Gammarotettix

bilobatus SCUDD., Proc. amer. acad. arts sc., xxx, 111 (1894), *Cala.*; Can. ent., xxxi, 121 (1899), *Id.*; Cat. Orth. U. S., 85 (1900), *Id.*

californicus BRUNN., Verh. zool.-bot. ges. Wien, 1888, 305, fig. 1 (1888), *Cala.*; Mon. Stenop., 61, fig. 32 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 300 (1897), *Id.*

Glaphyrosoma

aztecum SAUSS.-PICT., Biol. centr. amer., Orth., 296, pl. 14, fig. 19 (1897), *Mex.*

gracile BRUNN., Verh. zool.-bot. ges. Wien, 1888, 284, fig. 17 (1888). *Mex., Guat.*; Mon. Stenop., 40, fig. 17 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 297 (1897), *Id.*

mexicanum BRUNN., Verh. zool.-bot. ges. Wien, 1888, 284 (1888), *Mex.*; Mon. Stenop., 40 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 296-297, pl. 14, figs. 17, 18 (1897), *Id.*

Gnathoclitia

tolteca WALK., Cat. Derm. salt. Brit. mus., i, 160 (1869), *Orizaba.*

vorax. See *Locusta* (*Gnathoclitia*) *vorax.*

Godmanella

vaginalis SAUSS.-PICT., Biol. centr. amer., Orth., 325-326 (1897), *Mex.*

Gomphocerus

brunneus CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Regina.*

carinatus SCUDD., Proc. Bost. soc. nat. hist., xvii, 511 (1875), *Mid. st.*; Ent. notes, iv, 85 (1875), *Id.*; Cent. Orth., 23 (1879), *Id.*—SMITH, Cat. ins. N. J., 412 (1890), *Penn., Del.*

carpenterii THOM., Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 65 (1874), *Col.*—GLOV., Ill. N. A. ent., Orth., pl. 16, fig. 2 (1874).—THOM., Rep. U. S. geol. surv. w. 100 mer., v, 871, pl. 44, fig. 5 (1875), *West. U. S.*—SCUDD., Appal., i, 262 (1878), *Col.*—COCK., Can. ent., xxii, 76 (1890), *Id.*—SCUDD., Appal., viii, 305, pl. 41, figs. 1-2 (1898), *Col., Wyo., Idaho*; Alp. Orth. N. A., 7, pl. 41, figs. 1-2 (1898), *Id.*; Cat. Orth. U. S., 26 (1900), *Mts. of Col.*

clavatus THOM., Rep. U. S. geol. surv. terr., v, 96-97 (1873), *Kans.*—GLOV., Ill. N. A. ent., Orth., pl. 16, fig. 8 (1874).—BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Kans., Nebr.*—RIL., Stand. nat. hist., ii, 202 (1884), *East. U. S.*—BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*—MCNEILL, Proc. Davenport. acad. nat. sc. vi, 265-266

- (1897), *Dak. to N. Mex., eastw. to Kans., Nebr.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — LUGG., Orth. Minn., 130-131, fig. 76½ (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 27 (1900), *East. slope Rocky Mts.*
- * **clavicornis** THUNB., Mém. acad. St. Pétersb., v, 221 (1815), *In Indiis.*
- clepsydra** SCUDD., Daws., Rep. geol. 49 par., 344 (1875), *Souris Riv.*; Ann. rep. chief eng., 1876, 506 (1876), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 286 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Col.* — CAULF., Can. rec. sc., ii, 400 (1887), *Souris Riv.*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 207, 217 (1896). — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 265-266, pl. 6, figs. 27, 27ab (1897), *E. of Rocky Mts. from Brit. Amer. to N. Mex. east to Kans., Nebr.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 27 (1900), *East. slope Rocky Mts.*
- euterpe** DODGE, Brun., Can. ent., ix, 144 (1877), *Nebr.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — RIL., Stand. nat. hist., ii, 202 (1884), *Trans. Miss.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*
- infuscatus** UHL., Harr., Ins. inj. veg., 3 ed., 181 (1862), *Mass.*
- * **navicula** SCUDD., Ann. rep. chief eng., 1876, 506-507 (1876), *Col., N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 286-387 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 66 (1883), *Col.*
- pelidnus** BURM., Handb. ent. ii, 650 (1838), *Penn.* — WALK., Cat. Derm. salt. Brit. mus., iv, 784 (1870), *Id.*
- See also *Acridium* (Gomphocerus) *pelidnum*.
- radiatus** UHL., Harr., ins. inj. veg., 3 ed., 181 (1862), *Mass.*
- * **shastanus** SCUDD., Rep. U. S. ent. comm., ii, App., 25, pl. 17, figs. 15, 18 (1881), *Mt. Shasta.* — BRUN., Ibid., iii, 56 (1883), *Cal.* — RIL., Stand. nat. hist., ii, 202 (1884), *Northw. U. S.*
- simplex** SCUDD., Trans. amer. ent. soc., ii, 305-306 (1869), *Del.* — THOM., Rep. U. S. geol. surv. terr., v, 97 (1873), *Id.*; Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 64 (1874), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Del.*
- virgatus** SCUDD., Proc. Bost. soc. nat. hist., xvii, 511-512 (1875), *Tex.*; Ent. notes, iv, 85-86 (1875), *Id.*; Cent. Orth., 23-24 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*
- viridifasciatus** UHL., Harr., Ins. inj. veg., 3 ed., 181 (1862), *Mass.*

Gonatista

- cubensis** SAUSS., Mitth. schweiz. ent. ges., iii, 61 (1869), *Cuba*; Ibid., iii, 224 (1870).
- grisea** SAUSS., Mant. amér., 23-25 (1871), *Cuba*; Miss. scient. Mex., Rech. zool., vi, 231-232, pl. 5, figs. 1-2 (1872), *Id.* — BOL., Mém. soc. zool. France, i, 134 (1888), *Id.*; Orth. Cuba, 10 (1888), *Id.* — WESTW., Rev. Mant., 4 (1889), *N. A., Antill., Cuba.* — GUNDL., Ent. cub., ii, 321-322 (1890), *Cuba, St. Dom.*

—COCK., Journ. inst. Jam., i, 258 (1893); *Jam.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 159 (1894), *Antill.* — SCUDD., *Can. ent.*, xxviii, 211, 214 (1896), *Cuba, St. Dom., Fla., Geo., Ind.* — BLATCHL., *Ibid.*, xxviii, 265-266 (1896), *Ind.*; Orth. Ind., 20 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 13 (1900), *Ind. to Fla.*

Gongrocnemis

accola BRUNN., Mon. Pseudoph., 167-168 (1895), *Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 415, 418, pl. 20, fig. 5 (1898), *Id.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Costa Rica.*

azteca SAUSS.-PICT., Biol. centr. amer., Orth., 415, 419 (1898), *Mex.*

bivittata BRUNN., Mon. Pseudoph., 166-167 (1895), *Guat., Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 417 (1898), *Id.*

brevicauda SAUSS.-PICT., Biol. centr. amer., Orth., 415, 420, pl. 20, fig. 7 (1898), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Id.*

danielis GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 17-18 (1896), *Durien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 415, 420 (1898), *Id.*

deminuta BRUNN., Mon. Pseudoph., 166 (1895), *Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 416-417 (1898), *Id.*

dentipes SAUSS.-PICT., Biol. centr. amer., Orth., 414, 415-416 (1898), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Id.*

fissa SAUSS.-PICT., Biol. centr. amer., Orth., 414, 417, pl. 20, fig. 4 (1898), *Guat.*

incerta BRUNN., Mon. Pseudoph., 167 (1895), *Guat., Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 418 (1898), *Id.*

munda BRUNN., Mon. Pseudoph., 169 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 415, 419 (1898), *Id.*

mutica BRUNN., Mon. Pseudoph., 168 (1895), *Vera Cruz.* — SAUSS.-PICT., Biol. centr. amer., Orth., 415, 419, pl. 20, fig. 6 (1898), *Id.*

nigrospinoso BRUNN., Mon. Pseudoph., 167 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 418 (1898), *Id.*

pallidespinosa BRUNN., Mon. Pseudoph., 165-166, pl. 7, fig. 75 (1895), *Durango, Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 416 (1898), *Id.*

tibialis BRUNN., Mon. Pseudoph., 165 (1895), *Pan., Colomb.* — SAUSS.-PICT., Biol. centr. amer., Orth., 414, 415 (1898), *Id.*

zendala SAUSS.-PICT., Biol. centr. amer., Orth., 414, 418 (1898), *Mex.*

Gryllacris

abluta BRUNN., Verh. zool.-bot. ges. Wien, 1888, 363 (1888), *San Salvador*; Mon. Stenop., 119 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 305, 307, pl. 15, figs. 4-7 (1897), *Mex., Guat., Salv.*

alternans BRUNN., Verh. zool.-bot. ges. Wien, 1888, 333 (1888), *Mex., E.*

Indies; Mon. Stenop., 89 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 305, 306 (1897), *Mex.*

atricula SAUSS.-PICT., Bull. soc. ent. suisse, viii, 315-316, pl. 2, fig. 16 (1891), *Amér.*

carolinensis GERST., Arch. naturg., xxvi, 276 (1860), *Car.*—WALK., Cat. Derm. salt. Brit. mus., i, 190 (1869), *Id.*

cyclops SAUSS.-PICT., Biol. centr. amer., Orth., 305, 308, pl. 15, fig. 9 (1897), *Pan.*

haitensis BRUNN., Verh. zool.-bot. ges. Wien, 1888, 364 (1888), *Haiti*; Mon. Stenop., 120 (1888), *Id.*

longipennis SAUSS.-PICT., Bull. soc. ent. suisse, viii, 314-315, pl. 2, fig. 15 (1891), *Amér.*; Biol. centr. amer., Orth., 305, 306-307 (1897), *Pan.*

longiuscula WALK., Cat. Derm. salt. Brit. mus., iii, 472 (1870), *Isle of Pines* [s. of *Cuba?*].

maculata BRUNN., Verh. zool.-bot. ges. Wien, 1888, 304 (1888), *Chiriqui, Costa Rica*; Mon. Stenop., 120 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 305, 308 (1897), *Id.*

parvula WALK., Cat. Derm. salt. Brit. mus., iii, 473 (1870), *St. Dom.*

picta BRUNN., Verh. zool.-bot. ges. Wien, 1888, 363-364 (1888), *Costa Rica*; Mon. Stenop., 119-120 (1888), *Id.*—SAUSS.-PICT., Biol. centr. amer., Orth., 305, 307-308, pl. 15, fig. 8 (1897), *Pan., Costa Rica.*

salvini SAUSS.-PICT., Biol. centr. amer., Orth., 305, 306 (1897), *Pan.*

Gryllodes

abortivus SAUSS., Miss. scient. Mex., Rech. zool., vi, 415-416, pl. 7, fig. 11 (1874), *Antill., Cuba.*

antillarum SAUSS., Miss. scient. Mex., Rech. zool., vi, 414-415, pl. 7, figs. 10, 13 (1874), *Cuba.*

caraibeus SAUSS., Miss. scient. Mex., Rech. zool., vi, 413-414, 518 (1874), *Antill., St. Thom., Guiana.*

forcipatus SAUSS., Biol. centr. amer., Orth., 229, pl. 11, figs. 29-34 (1897), *Guerrero.*—GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

guadeloupensis SAUSS., Miss. scient. Mex., Rech. zool., vi, 413 (1874), *Antill., Guadel.*

lineatus SCUDD., Ann. rep. chief eng., 1876, 499 (1876), *Ariz.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279 (1876), *Id.*; Cat. Orth. U. S., 90 (1900), *Id.*

micromegas SAUSS., Miss. scient. Mex., Rech. zool., vi, 418 (1874), *Mex.*—GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

muticus SAUSS., Miss. scient. Mex., Rech. zool., vi, 411-412, 518, pl. 7, fig. 9 (1874), *Yuc., Guiana, Porto Rico, Guadel.*—GUNDL., Ent. cub., ii, 369-370 (1891), *Cuba.*

parvipennis GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 5, (1897), *Darien.*

poeyi SAUSS., Miss. scient. Mex., Rech. zool., vi, 420-421, pl. 7, fig. 8 (1874), *Antill., Cuba*; Mém. soc. phys. hist. nat. Gen., xxv, 219 (1877), *Ind. orient., Ind. centr., île de France, Antill., Cuba, Antigua*; Mél. orth., ii, 387 (1877), *Id.* — BOL., Mém. soc. zool. France, i, 157 (1888), *Cuba*; Orth. Cuba, 42 (1888), *Id.* — GUNDL., Ent. cub., ii, 369 (1891), *Id.* — SAUSS., Biol. centr. amer., Orth., 228 (1897), *Mex., S. A., Cuba, India.*

pusillus SAUSS., Miss. scient. Mex., Rech. zool., vi, 416-417, pl. 7, fig. 6 (1874), *Amer. trop., Mex., Guiana, Brazil.* — GIGL.-TOS., Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

rufipes REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 217, pl. 17, fig. 15 (1892), *St. Vinc.*

toltecus SAUSS., Miss. scient. Mex., Rech. zool., vi, 416, pl. 7, figs. 7, 7 [bis] (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 228 (1877), *Id.*; Mél. orth., ii, 396 (1877), *Id.*; Biol. centr. amer., Orth., 229, pl. 11, figs. 27, 28 (1897), *Cordova.*

Gryllotalpa

americana HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.* — LEIDY, Proc. acad. nat. sc. Philad., v, 204 (1851), *Del.* — SAY, Ent. N. A., ed. Le C., i, 371 (1859).

azteca SAUSS., Rev. mag. zool., 1859, 316 (1859), *Mex.*; Orth. nova amer., 1, 15 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 113 (1869), *Id.*

borealis BURM., Handb. ent., ii, 740 (1838), *N. A.* — UHL., Harr., Ins. inj. veg., 3 ed., 149 (1862), *Mass.* — SCUDD., Bost. journ. nat. hist., vii, 426 (1862), *Mass., Vt.* — THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 2 (1869), *N. A.* — WALSH-RIL., Amer. ent. i, 148, 205 (1869), *Penn., Ohio.* — SCUDD., Mem. Peab. acad. sc., i, 25, pl. 1, figs. 9, 34, 35 (1869), *East. U. S., La., Cuba.* — PACK., Guide ins., 563 (1869), *N. E.* — RIL., Amer. ent. bot., ii, 340 (1870), *Ill.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 13 (1872). — SMITH, Rep. Conn. bd. agric., 1872, 379 (1872), *Conn.* — GLOV., Rep. U. S. dep. agric., 1873, 143, fig. 17 (1873), *Va.* — SCUDD., Rep. geol. N. H., i, 363, pl. A, fig. 7 (1874), *N. H., etc.*; Psyche, i, 105, fig. (1875), *U. S.* — RIL., Can. ent., iii, 132 (1880), *Geo.*; Stand. nat. hist., ii, 180 (1884), *North. U. S., Brit. amer.* — CAULF., Can. rec. sc., ii, 381 (1887), *Ont.*; Can. Orth., 4 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 69 (1888), *Id.* — BOL., Mém. soc. zool. France, i, 150-151 (1888), *Cuba, U. S.*; Orth. Cuba, 40-41 (1888), *Id.* — COMST., Intr. ent., 120-121, fig. 108 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 98, fig. 6 (1888), *N. E.*; Orth. N. E., 14, fig. 6 (1888), *Id.* — DAV., Ent. amer., v, 79 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 407 (1890), *N. J.* — LINTN., Rep. ins. N. Y., vi, 149-151, fig. 22 (1890), *N. Y.* — GUNDL., Ent. cub., ii, 366-367 (1891), *Cuba.* — MCNEILL, Psyche, vi, 3-4 (1891), *Ill.* — FLETCH., Rep. ent. soc. Ont., xxii, 87-90, fig. 18 (1891); Can. ent., xxiv, 23-25, fig. 1 (1892). — DOR., Ibid., xxiv, 147-148, 270-273 (1892), *Ind.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 120 (1892), *Iowa.* — BLATCHL.,

Proc. Ind. acad. sc., 1891, 130-131 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxiii, 63-64, fig. 36 (1893); *Psyche*, vii, 3 (1894). — GARM., Orth. Ky., 5 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 204 (1894), *N. Y.* — COMST., Man. study ins., 117, fig. 134 (1895). — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — LUGG., Orth. Minn., 257, fig. 167b (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 86 (1900), *U. S. and Can. e. Rocky Mts.* — FOGG, Proc. Manch. inst. arts sc., i, 45 (1900), *N. H.* — BURNH., *Ibid.*, i, 47 (1900), *Id.* — SCUDD., *Psyche*, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.* — HENSH., *Psyche*, ix, 119 (1900), *Vt.* — SEISS, Ent. news, xi, 642 (1900), *Penn.*

See also Gryllus (*Gryllotalpa*) borealis.

brevipennis SERV., Orth., 368 (1839), *N. A., Car., Penn., La.* — HARR., Ins. inj. veg., 1 ed., 120 (1841, 1842), *Mass.* — FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — HARR., Ins. inj. veg., 2 ed., 131 (1852), *Mass.*; *Ibid.*, 3 ed., 149, fig. 68 (1862), *Id.* — RATHV., Rep. U. S. dep. agric., 1862, 378, pl., fig. 12, 18 (1862).

See also Acheta (*Gryllotalpa*) brevipennis and Gryllus (*Gryllotalpa*) brevipennis.

columbia SCUDD., Mem. Peab. acad. sc., i, 26-27, pl. 1, figs. 15, 36 (1869), *Mass., Md.* — SMITH, Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.* — BRUN., Bull. Washb. coll., i, 125 (1885), *Kans.* — FERN., Ann. rep. Mass. agric. coll., xxv, 98 (1888), *N. E.*; Orth. N. E., 14 (1888), *Id.* — DAV., Ent. amer. v, 79 (1889), *Staten Is.* — SMITH, Cat. Ins. N. J., 407 (1890), *N. J.* — LINTN., Rep. ins. N. Y., vi, 151 (1890), *Mass., Md., D. C.* — McNEILL, *Psyche*, vi, 3 (1891), *Ill.* — BLATCHL., [-biana] Proc. Ind. acad. sc., 1891, 131-132 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — BEUT., Bull. amer. mus. nat. hist., vi, 264, pl. 5, fig. 5 (1894), *N. Y.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — BLATCHL., [-biana] Orth. Ind., 23 (1897), *Ind.* — LUGG., Orth. Minn., 257-258, figs. 167, 167a (1898), *Minn.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

columbiana. *See* *Gryllotalpa columbia*.

cultriger URL., Proc. ent. soc. Philad., ii, 543 (1864), *Tex.* — SCUDD., Mem. Peab. acad. sc., i, 23, pl. 1, figs. 13, 32, 33 (1869), *Tex., Cala.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 342 (1874), *Cala.* — SCUDD., Cat. Orth. U. S., 86 (1900), *Tex. to Cala.*

didactyla JOHNST., Trans. ent. soc. Lond., ii, 24 (1837), *St. Vinc.* — WESTW., Intr. class. ins., i, 447 (1839), *W. I.* — HARR., Ins. inj. veg., 1 ed., 121 (1841, 1842), *Id.*; *Ibid.*, 2 ed., 132 (1852), *Id.* — KIRB.-SP., Intr. ent., 7 ed., 102 (1856), *St. Vinc.* — HARR., Ins. inj. veg., 3 ed., 149 (1862), *W. I.* — RATHV., Rep. U. S. dep. agric., 1862, 378 (1862). — WESTW., Cuv., Anim. kingd., 560 (1863), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 3 (1869), *Jam., W. I., Brazil.* — GLOV., Rep. U. S. dep. agric., 1873, 144 (1873), *W. I.*; Ill. N. A. ent., Orth., pl. 16, fig. 4 (1874).

hexadactyla SERV., Orth., 307 (1839), *Brazil, Quadeloupe.* — GUÉR.,

Sagra, Hist. nat. Cuba, 355, pl. 12, fig. 8 (1857), *Cuba, Brazil, Guadel.* — WALK., Cat. Derm. salt. Brit. mus., i, 3 (1869), *Mex., Columbia, Brazil.* — SCUDD., Mem. Peab. acad. sc., i, 27, pl. 1, figs. 17, 37, 38 (1869), *Brazil, Guadel., Cuba, Mex.* — BOL., Mém. soc. zool. France, i, 155 (1888), *Cuba*; Orth. Cuba, 40 (1888), *Id.* — GUNDEL., Ent. cub., ii, 366 (1891), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 216 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 609 (1893), *Grenada, St. Vinc.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 199-200 (1894), *Mex., Costa Rica, Colombia, Antill., Guiana, Brazil, Peru.* — BUSCK, Bull. div. ent. U. S. dep. agric., n. s., xxii, 90 (1900), *Porto Rico.*

intermedia SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 200 (1894), *Mex., Guat.*

longipennis SCUDD., Bost. journ. nat. hist., vii, 426 (1862), *Mass., Md.* — THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Ark.* — WALK., Cat. Derm. salt. Brit. mus., i, 3, 119 (1869), *Mass., Md., N. A.* — WALSH-RIL., Amer. ent., i, 148 (1869), *Penn.* — PACK., Guide ins., 563 (1869), *Southern.* — GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 12 (1872). — BESS., Bienn. rep. Iowa agric. coll., vii, 205 (1877), *Iowa.* — RIL., Stand. nat. hist., ii, 180 (1884). — LINTN., Rep. ins. N. Y., vi, 151 (1890), *N. Y., Mass., etc.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 120 (1892), *Iowa.*

major SCUDD., Cat. Orth. U. S., 86 (1900), *Ill., Kans.*

mexicana BURM., Handb. ent., ii, 740 (1838), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., i, 3 (1869), *Id.*

See also Gryllus (Gryllotalpa) mexicanus.

ponderosa BRUN., Bull. Washb. coll., i, 126 (1885), *Kans.*

Gryllotalpa (Curtilla)

borealis SAUSS., Miss. scient. Mex., Rech. zool., vi, 346 (1874), *South. U. S., Antill.*

columbia SAUSS., [-biae] Miss. scient. Mex., Rech. zool., vi, 345 (1874), *U. S.*

hexadactyla SAUSS., Miss. scient. Mex., Rech. zool., vi, 344-345, pl. 8, fig. 22 (1874), *Amér. trop. et temp.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67 (1895), *Nicar.*

intermedia SAUSS., Miss. scient. Mex., Rech. zool., vi, 345-346 (1874), *Mex., Amér. centr.*

major SAUSS., Miss. scient. Mex., Rech. zool., vi, 343-344 (1874), *U. S., Ill.*

Gryllus

abbreviatus SERV., Orth., 336 (1839), *N. A.* — BURM., Germ., Zeitschr. ent., ii, 74 (1840), *Id.* — DE HAAN, Bijdr. kenn. Orth., 225 (1842), *Id.* — SCUDD., Bost. journ. nat. hist., vii, 427 (1862), *Mass., Md.* — WALK., Cat. Derm. salt. Brit. mus., i, 17 (1869), *Fla.* — PACK., Guide ins., 564 (1869),

Mid. st. — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Col.*; *Ibid.*, v, 433 (1872), *Col.*, *Wyo.*, *Utah*, *Idaho*. — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 17 (1872). — SMITH, Rep. Conn. bd. agric., 1872, 354, 379 (1872), *Conn.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 400–401, 518 (1874), *U. S.*, *N. Y.*, *Id.*, *Cala.* — SCUDD., Ann. rep. chief eng., 1876, 499 (1876), *Cala.*, *Santa Cruz Isl.*; Ann. rep. U. S. geol. surv. w. 100 mer., 279 (1876), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 206 (1877), *Iowa.* — SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 149 (1877), *N. A.*, *Mex.*; Mél. orth., ii, 317 (1877), *Id.* — THOM., Bull. U. S. geol. surv. terr., iv, 485 (1878), *Dak.*, *Mont.* — RIL., Stand. nat. hist., ii, 181 (1884), *U. S.* — COMST., Intr. ent., 121, fig. 108a (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 99 (1888), *N. E.*; Orth. N. E., 15, (1888), *Id.* — DAV., Ent. amer., v, 79 (1889), *Staten Is.* — MCNEILL, *Ibid.*, v, 101 (1889). — SMITH, Cat. ins. N. J., 407 (1890), *N. J.* — MCNEILL, Psyche, vi, 5–6 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 31 (1892), *N. J.* — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 132–133 (1892), *Ind.* — RIL., N. A. fauna, vii, 251 (1893), *Cala.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 463–464, fig. 108 (1893), *Id.* — GARM., Orth. Ky., 3, 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 265–266 (1894), *N. Y.*, *N. J.* — COMST., Man. study ins., 118, fig. 135 (1895), *East. U. S.* — ZABR., Journ. N. Y. micr. soc., xiii, 1, 5, pl. 62, fig. 13 (1897). — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 225 (1897), *U. S.*, *Mex.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — WEED, Life hist. amer. ins., 45–51, figs. 15–17 (1897). — LUGG., Orth. Minn., 264, fig. 172 (1898), *Minn.* — LOCHM., Ann. rep. ent. soc. Ont., xxviii, 41, 42 (1898). — WEBST.-MALLY, Bull. div. ent. U. S. dep. agric., n. s., xvii, 100 (1898), *Ohio.* — BLATCHL., Gleanings, 226, fig. 55 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 89 (1900), *U. S.* — FOGG, Proc. Manch. inst. arts sc., i, 46 (1900), *N. H.* — SCUDD., Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

aegyptus THUNB., Mém. acad. St. Pétersb., v, 247 (1815), *Ins. Barthel.*

aequalis SAY, Journ. acad. nat. sc. Philad., iv, 307 (1825), *U. S.*; Oeuvr. ent., 310 (1837), *Id.*; Ent. N. A., ed. LeC., ii, 237 (1859), *Id.*

americanus DRURY, Ill. nat. hist., i, 128, pl. 49, fig. 2; ii, App. (1770, 1773), *N. Y.*, *Va.*, *Antigua*, *Madras*, *Sierra Leone.*

angustulus WALK., Cat. Derm. salt. Brit. mus., i, 21 (1869), *St. Vinc.*, *Jam.* — THOM., Amer. ent., ii, 206 (1870), *Jam.*

angustus SCUDD., Bost. journ. nat. hist., vii, 427–428 (1862), *Mass.* — WALK., Cat. Derm. salt. Brit. mus., i, 17 (1869), *Id.*

annulatus HERBST, Fuessl., Arch. ins., 1786, 195, pl. 53, fig. 4 (1786), *Amer.* — TURT., Syst. nat. Linn., ii, 565 (1806) *Id.*

argentinus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 116 (1877), *Amér.*; Mél. orth., ii, 309 (1877), *Id.*

assimilis OLIV., Encycl. méth., vi, 634 (1791), *Jam.* — BURM., Handb. ent., ii, 733 (1838), *Mittel u. Süd. Amer.* — DE HAAN, Bijdr. kenn. Orth., 226 (1842), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 396–399, 517, pl. 8,

figs. 27-29 (1874), *Trop. and temp. Amer.*; south. U. S., Mex., Antill., Brazil; Mém. soc. phys. hist. nat. Gen., xxv, 150 (1877), *Id.*; Mém. orth., ii, 318 (1877), *Id.* — SCUPP., Proc. Bost. soc. nat. hist., xix, 80 (1877), *Fla.*; Ent. notes, vi, 21 (1878), *Id.* — BOL., Mém. soc. zool. France, i, 156 (1888), *Cuba*; Orth. Cuba, 41 (1888), *Id.* — GUNDL., Ent. cub., ii, 368 (1891), *Id.* — BRUNN., Proc. zool. soc. Lond., 1893, 609 (1893), *Grenada, St. Vinc.* — SAUSS., Biol. centr. amer., Orth., 226, pl. 11, fig. 25 (1897), *Durango, Sinaloa, Mazatlan, Vera Cruz, Orizaba, Guat., Pan., Cuba, S. A. to Peru.* — SCUPP., Cat. Orth. U. S., 89 (1900), *South. st.*

assimilis cubensis BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 217 (1892), *St. Vinc., Cuba, Mart., Brazil, Colombia, Mex., south. U. S.*

assimilis pallidus SAUSS., Biol. centr. amer., Orth., 226 (1897), *Durango, Sinaloa, Mazatlan.*

aztecus SAUSS., Rev. mag. zool., 1859, 316 (1859), *Mex.*; Orth. nova amer., i, 16 (1859), *Id.*

bicolor BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67-68 (1895), *Nicar.*

bipunctatus DE GEER, Mém. hist. ins., iii, 523, pl. 43, fig. 7 (1773), *Penn.* — GOEZE, De Geer, Gesch. ins., iii, 340, pl. 43, fig. 7 (1780). *Id.* — OLIV., Encycl. méth., vi, 637 (1791), *N. A., Penn.* — BURM., Handb. ent., ii, 732 (1838), *Penn.*

bivittatus SAY, Journ. acad. nat. sc., Philad., iv, 308 (1825), *Ark.*; Oeuvr. ent., 311 (1837), *Id.*; Ent. N. A., ed. Lec., ii, 237 (1859), *Id.*

campestris KALM, Travels, ii, 10, 69, 126 (1771), *N. Y., N. J., Can.*; Pink., Voy., xiii, 506, 524, 542 (1812), *Id.*

capensis WALK., Cat. Derm. salt. Brit. mus., i, 16 (1869), *Europe, Africa, Fla.*

capitatus BOL., Mém. soc. zool. France, i, 156-157 (1888), *Cuba*; Orth. Cuba, 41-42 (1888), *Id.* — GUNDL., Ent. cub., ii, 369, 389 (1891), *Cuba, Peru, Chili.*

carolinus FABR., Syst. ent., 291 (1775), *Amer.*; Spec. ins., i, 368 (1781), *Amer. bor.*; Ent. syst., ii, 58 (1793), *Amer.* — TURK., Syst. nat. Linn., ii, 562 (1806), *Id.* — FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — JAEGER, N. A. ins., 140, pl. 5, fig. 22 (1854), *U. S.*; Ibid., 2 ed., 97, fig. 22 (1859), *Id.*

centurio GLOV., Rep. U. S. dep. agric., 1872, 116 (1872), *La., Fla., south All. and Gulf coast.*

chichimecus SAUSS., Biol. centr. amer., Orth., 226 (1897), *Durango.*

chrysomelas TURK., Linn. syst. nat., ii, 569 (1806), *Penn.*

columbinus THUNB., Mém. acad. St. Pétersb., ix, 399, 425 (1824), *Barth., ins. Amer.*

contingens WALK., Cat. Derm. salt. Brit. mus., i, 21 (1869), *St. Vinc., Jan.* — THOM., Amer. ent., ii, 206 (1870), *Jam.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 404 (1874), *Id.*

corallinus FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.*

crucis OLIV., Encycl. méth., vi, 637 (1791), *St. Croix.* — WALK., Cat. Derm. salt. Brit. mus., i, 111² (1869), *Id.*

cubensis SAUSS., Rev. mag. zool., 1859, 316 (1859), *Cuba*; Orth. nova amer., i, 15 (1859), *Id.*

See also *Gryllus assimilis cubensis*.

cyaneus TURT., Syst. nat. Linn., ii, 563 (1806), *Amer.*

cyanipes FABR., Syst. ent., 292 (1775), *Amer.*; Spec. ins., i, 370 (1781), *Amer. merid. ins.* — ZSCHACH, Mus. Lesk., 48 (1788), *Amer.* — FABR., Ent. syst., ii, 60 (1793), *Id.*; Nom. ent. emend., 82 (1797, 1810), *Id.*

debilis WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 4 (1871), *Nicar.*

determinatus WALK., Cat. Derm. salt. Brit. mus., i, 19-20 (1869), *Jam., St. Dom., St. Vinc.* — THOM., Amer. ent., ii, 206 (1870), *Jam.*

domesticus PACK., Guide ins., 564 (1869), *N. Y.* — SMITH, Rep. Conn. bd. agric., 1872, 354, 379 (1872), *Europe, N. Y., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 14 (1872). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 400 (1874), *Tenn.* — SCUDD., Amer. nat., x, 508 (1876), *U. S.* — PROV., Nat. can., viii, 58 (1876), *Can.*; Faune ent. Can., ii, 20 (1877), *Id.* — SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 173 (1877), *Cosmop., Eur., Afr., Abyss., Asie occ., Ind., Amér. sept.*; Mém. orth., ii, 341 (1877), *Id.* — GIR., Traité ent., ii, 140, fig. 21 (1879), *Sumatra, Java, Ind. or., Tranquebar, St. Jean, St. Thom., Amér. du nord, Guyane, Brésil, Austral., Europe.* — RIL., Stand. nat. hist., ii, 181 (1884), *Europe, U. S.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 383 (1887), *Can.*; Can. Orth., 5 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 61-62, 69 (1888), *Id.* — MCNEILL, Psyche, vi, 6 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — GARM., Orth. Ky., 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 266, pl. 5, fig. 8 (1894), *N. Y.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — LUGG., Orth. Minn., 266-268, fig. 176 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 89 (1900), *U. S. and Can., e. Gr. Plains*; Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

erythropus TURT., Syst. nat. Linn., ii, 568 (1806), *Penn.*

fasciatus DE GEER, Mém. hist. ins., iii, 522, pl. 43, fig. 5 (1773), *Penn.* — GOEZE, De Geer, Gesch. ins., iii, 339, pl. 43, fig. 5 (1780), *Id.* — DE HAAN, Bijdr. kenn. Orth., 225 (1842), *N. A.*

flavicornis THUNB., Mém. acad. St. Pétersb., ix, 406 (1824), *China, Indis, Prom. bon. spei.*

flavus FABR., Ent. syst., ii, 59 (1793), *Amer.*; Nom. ent. emend., 82 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 563 (1806), *Id.* — THUNB., Mém. acad. St. Pétersb., v, 232 (1815), *Amer., Cap bon. sp.*; Hem. max. cap., 2 (1815), *Id.*; Mém. acad. St. Pétersb., ix, 395, 410 (1824), *Id.*

formosus SAY, Amer. ent., iii, pl. 34 (1828), *Ark. Riv.*; Ent. N. A., ed. Lec., i, 78, pl. 34 (1859), *Id.* — THOM., Ann. rep. U. S., geol. surv. terr., ii, 266 (1871), *Col.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 5 (1872).

gigas TURT., Syst. nat. Linn., ii, 546 (1806), *Amer.*

gongylodes SULZ., Kennz. ins., Erkl., 20, pl. 8, fig. 56 (1761), *Indien.*

grylloides PALL., Spic. zool., i, 16, pl. 1, fig. 10 (1767-1774), *Jam.* — OLIV., Encycl. méth., vi, 637 (1791), *Id.* — TURT., Syst. nat. Linn., ii, 546 (1806), *Id.*

- gryllotalpa** OKEN, Allg. naturg., v, C., 1528 (1830), *Eur., N. A.*
- guadeloupensis** WALK., [guadal-] Cat. Derm. salt. Brit. mus., i, 23 (1869), *Guadel.*
- haematopus** FABR., Syst. ent., 289 (1775), *In Indiis*; Spec. ins., i, 365 (1781), *Id.*; Ent. syst., ii, 52 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.*
- hirtipes** SAY, Amer. ent., iii, pl. 34 (1828), *Ark. Riv.*; Ent. N. A., ed. Lec., i, 78, pl. 34 (1859), *Id.*
- hospes** OLIV., Encycl. méth., vi, 636 (1791), *Penn.*
- insularis** SCUDD., Proc. Bost. soc. nat. hist., xviii, 268-269 (1876), *Guadalupe*; Ent. notes, v, 23-24 (1876), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 215, 218 (1890). — SAUSS., Biol. centr. amer., Orth., 225 (1897), *Id.*
- lateralis** FABR., Syst. ent., 293 (1775), *Amer.*; Spec. ins., i, 370 (1781), *Amer. merid. ins.*; Ent. syst., ii, 60 (1793), *Amer.*; Nom. ent. emend., 82 (1797, 1810), *Id.* — TURR., Syst. nat. Linn., ii, 563 (1806), *Id.*
- laurifolius** LINN., [fol. lauri] Mus. Adolph. Fred., 83 (1754), *Amer.* — SHAW-NODD., Nat. misc., iv, pl. 115 (1790-1813), *Id.*
- lineaticeps** STÅL, Orth. Eug. resa, 314 (1861), *Cala.*
- lineatus** SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 195 (1877), *West. U. S.*; Mém. orth., ii, 363 (1877), *Id.*
- luctuosus** SERV., Orth., 335 (1830), *Amér. sept.* — BURM., Germ., Zeitschr. ent., ii, 74 (1840), *S. C.* — DE HAAN, Bijdr. kenn. Orth., 225 (1842), *Cala., N. A.* — SCUDD., Bost. journ. nat. hist., vii, 427 (1862), *Mass., N. H.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., i, 17 (1869), *N. A., Can.* — PACK., Guide ins., 564 (1869), *Atl. st.* — SMITH, Rep. Conn. bd. agric., 1872, 354, 379 (1872), *Conn.* — WALK., Can. ent., iv, 30 (1872), *Can.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 433, pl. 1, figs. 10, 11 (1872), *Utah, Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 10 (1872). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 396 (1874), *Amér. sept., Mex., Guat.*; Mém. soc. phys. hist. nat. Gen., xxv, 149 (1877), *Amer. bor., U. S., Cala.*; Mém. orth., ii, 317 (1877), *Id.* — SCUDD., Psyche, ii, 154 (1878), *Fla.* — RIL., Stand. nat. hist., ii, 181 (1884), *U. S.* — BRUN., Can. ent., xvii, 18 (1885), *Wash., Or.*; Bull. Washb. coll., i, 126 (1885), *Kans.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 382 (1887), *Id.*; Can. Orth., 5 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 69 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 99 (1888), *N. E.*; Orth. N. E., 14 (1888), *Id.* — DAY., Ent. amer., v, 79 (1889), *Staten Is.* — MCNEILL, Ibid., v, 101 (1889). — UHL., Heilpr., Berm. Isl., 157-158 (1889), *Bermuda.* — KOEB., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Cala.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — MCNEILL, Psyche, vi, 4-6 (1891), *Ill.* — BLATCHL., Proc. Ind. acad. sc., 1891, 133-134 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 464 (1893), *Id.* — GARM., Orth. Ky., 5 (1894), *Ky.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 226 (1897), *Can., U. S., Mex., Guat.* — HARV.-KNIGHT, Psyche, viii, 77 (1897), *Me.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — LOCHN.,

Ann. rep. ent. soc. Ont., xxviii, 41, 42 (1898). — SCUDD., Cat. Orth. U. S., 89 (1900), *U. S.* — FOGG, Proc. Manch. inst. arts sc., i, 46 (1900), *N. H.* — SCUDD., Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

luridus WALK., Cat. Derm. salt. Brit. mus., i, 18-19 (1869), *Vera Cruz*. — THOM., Amer. ent., ii, 206 (1870), *Id.*

mexicanus SAUSS., Rev. mag. zool., 1859, 316 (1859), *Mex.*; Orth. nova amer., i, 15 (1859), *Id.*; Miss. scient. Mex., Rech. zool., vi, 402-404, 518, pl. 8, figs. 30, 30a (1874), *Id.*; Mém. soc. phys. hist. nat. Gen., xxv, 151 (1877), *Mex., Amér. centr.*; Mél. orth., ii, 319 (1877), *Id.*; Biol. centr. amer., Orth., 227 (1897), *Mex., Brit. Hond., Guat., Costa Rica, Pan.*

micromegas SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 196 (1877), *Mex.*; Mél. orth., ii, 364 (1877), *Id.*

miliaris FAHR., Syst. ent., 288 (1775), *Amer.*; Ent. syst., ii, 50 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.* — TURR., Syst. nat. Linn., ii, 558 (1806), *Id.*

neglectus SCUDD., Bost. journ. nat. hist., vii, 428 (1862), *Mass.* — PACK., Rep. nat. hist. Maine, 1862, 195 (1862), *Me.*; How to collect, 55 (1862), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 308 (1862), *N. E.*; Amer. nat., ii, 120 (1868). — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — PACK., Guide ins., 564 (1869), *N. E.* — WALK., Cat. Derm. salt. Brit. mus., i, 17 (1869), *Mass.*; Ibid., v, Suppl., 3 (1871), *Id.* — SMITH, Rep. Conn. bd. agric., 1872, 354, 377 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 8 (1872). — SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1872), *Nebr.*; Ann. rep. chief eng., 1876, 499 (1876), *N. Mex., Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279 (1876), *Id.* — PROV., Nat. can., viii, 58, fig. 3 (1876), *Can.*; Faune ent. Can., ii, 21, fig. 3 (1877), *Id.* — RIL., Rep. U. S. ent. comm., i, 327 (1878); Stand. nat. hist., ii, 181 (1884), *N. E., mid. north. st.* — BRUN., Can. ent., xvii, 18 (1885), *Or.*; Bull. Washb. coll., i, 126 (1885), *Kans.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 382-383 (1887), *Quebec, Montreal, Toronto*; Can. Orth., 5 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 61, 69 (1888), *Can.* — MCNEILL, Ent. amer., v, 101 (1889). — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Vict.* — SMITH, Cat. ins. N. J., 408 (1890). — *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — BROD., Can. ent., xxiii, 137-138 (1891). — SMITH, Bull. N. J. exp. st., xc, 7, 31 (1892), *N. J., Mass.* — SCUDD., Rep. ent. soc. Ont., xxiii, 64, fig. 37 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 225 (1897), *Guerrero*. — SCUDD., Cat. Orth. U. S., 89 (1900), *U. S. and Can. e. Rocky Mts.*; Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

See also *Gryllus pennsylvanicus neglectus*.

niger SCUDD., Bost. journ. nat. hist., vii, 428-429 (1862), *Mass.*; Amer. nat., ii, 115 (1868), *N. E.* — WALK., Cat. Derm. salt. Brit. mus., i, 17 (1869), *Mass.* — PACK., Guide ins., 564 (1869). — RIL., Stand. nat. hist., ii, 181 (1884), *U. S.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.*

niveus DE GEER, Mém. hist. ins., iii, 522, pl. 43, fig. 6 (1773), *Penn.* —

GÖRZE, De Geer, Gesch. ins., iii, 330, pl. 43, fig. 6 (1780), *Id.* — **OLIV.**, Encycl. méth., vi, 637 (1791), *Amer. sept.* — **TURT.**, Syst. nat. Linn., ii, 547 (1806), *Penn.*

nubilus **SAY**, Journ. acad. nat. sc. Philad., iv, 308 (1825), *Ark.*; Oeuvr. ent., 311 (1837), *Id.*; Ent. N. A., ed. Lec., ii, 237 (1859), *Id.*

obscurus **FABR.**, Suppl. ent. syst., 194 (1798), *Amer. bor.*

occidentalis **THUNB.**, Mém. acad. St. Pétersb., ix, 400, 429 (1824), *Ins. Barthel.*

ocellatus **LINN.**, Mus. Adolph. Fred., 82 (1754), *Amer.*

pallidus. See *Gryllus assimilis pallidus*.

parilis **WALK.**, Cat. Derm. salt. Brit. mus., i, 20 (1869), *St. Vinc., Brazil.*

pennsylvanicus **BURM.**, Handb. ent., ii, 734 (1838). — **SCUDD.**, Bost. Journ. nat. hist., vii, 429 (1862), *Md.* — **WALK.**, Cat. Derm. salt. Brit. mus., i, 18 (1869), *N. A., Ind., Cal.* — **GLOV.**, Ill. N. A. ent., Orth., pl. 1, figs. 13, 14 (1872). — **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 401, 518 (1874), *N. A., N. E., Md., Cal.* — **SCUDD.**, Proc. Bost. soc. nat. hist., xix, 81 (1877), *Fla.*; Ent. notes, vi, 22 (1878), *Id.* — **MCNEILL**, Ent. amer., v, 101-102 (1889). **SMITH**, Cat. ins. N. J., 408 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — **MCNEILL**, Psyche, vi, 4-6 (1891), *Ill.* — **BLATCHL.**, Proc. Ind. acad. sc., 1891, 134 (1892), *Ind.* — **SMITH**, Bull. N. J. exp. st., xc, 12, 13, 18, 21, 22, 31, figs. 4d, 5a, 9, 12, 13ef (1892), *N. J.* — **BRUN.**, Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 464 (1893), *Id.* — **BEUT.**, Bull. amer. mus. nat. hist., vi, 265, pl. 5, figs. 6, 7 (1894), *N. Y.* — **BLATCHL.**, Orth. Ind., 23 (1897), *Ind.* — **BALL**, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — **LUGG.**, Orth. Minn., 264-265, fig. 173 (1898), *Minn.* — **SCUDD.**, Cat. Orth. U. S., 90 (1900), *U. S.*; Psyche, ix, 104 (1900), *N. E.* — **SMITH**, Ins. N. J., 163 (1900), *N. J.*

pennsylvanicus neglectus **PIERS**, Trans. Nova Sc. inst. sc., ix, 210 (1896), *Nova Scotia.*

personatus **UHL.**, Proc. ent. soc. Philad., ii, 547-548 (1864), *Kans.* — **WALK.**, Cat. Derm. salt. Brit. mus., i, 18 (1869), *Id.* — **SCUDD.**, Rep. U. S. geol. surv. Nebr., 240 (1872), *Nebr.* — **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 400 (1874), *U. S., Kans.*; Mém. soc. phys. hist. nat. Gen., xxv, 153 (1877), *Amer. sept.*; Mém. orth., ii, 321 (1877), *Id.* — **BRUN.**, Bull. Washb. coll. i, 126 (1885), *Kans.*; Ibid., i, 194 (1886), *Id.*; Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — **SCUDD.**, Cat. Orth. U. S., 90 (1900), *Kans., Nebr.*

perspicillatus **LINN.**, Cent. ins. rar., 15 (1763), *In Indiis.* — **FABR.**, Syst. ent., 293 (1775), *Id.*; Spec. ins., i, 371 (1781), *Id.*; Nom. ent. emend., 82 (1797, 1810), *Id.*

pulicarius **BURM.**, Handb. ent., ii, 732 (1838), *Jam.*

pumilus **BURM.**, Hand. ent., ii, 732 (1838), *St. Jean, St. Thom.*

punctulatus **TURT.**, Syst. nat. Linn., ii, 547 (1806), *Penn.*

pusillus **SAUSS.**, Mém. soc. phys. hist. nat. Gen., xxv, 194 (1877), *Amer. trop., Mex., Guyane, Pérou, Brésil*; Mém. orth. ii, 362 (1877), *Id.*

ruber **LINN.**, Mus. Adolph. Fred., 83 (1754), *In Indiis.*

rusticus FABR., Syst. ent., 292 (1775), *Amer.*; Spec. ins., i, 370 (1781), *Amer. merid. ins.*; Ent. syst. ii, 60 (1793), *Amer.*; Nom. ent. emend., 82 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 563 (1806), *Id.*

sanguineipes FABR., Suppl. ent. syst., 195 (1798), *Amer. bor.*

saussurei SCUDD., Proc. Bost. soc. nat. hist., xix, 35-36 (1877), *Geo.*; Ent. notes, vi, 13-14 (1878), *Id.*; Cat. Orth. U. S., 90 (1900), *Id.*

scudderianus SAUSS., Miss. scient. Mex., Rech. zool., vi, 402 (1874), *Amer. sept.*

septentrionalis WALK., Cat. Derm. salt. Brit. mus., i, 18 (1869), *Mex., St. Dom., west. coast Amer.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — COCK., Journ. inst. Jam., i, 258 (1893), *Jam.*

serialis THUNB., Mém. acad. St. Pétersb., v, 241 (1815), *Ins. Barthel.*; *Ibid.*, ix, 399, 424 (1824), *Id.*

serratus SULZ., Kennz. ins., Erkl., 21, pl. 8, fig. 58 (1761), *Indien.*

serripes FABR., Mant. ins., i, 236 (1787), *In Indiis*; Ent. syst., ii, 48 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 558 (1806), *Amer., India.*

signatipes WALK., Cat. Derm. salt. Brit. mus., i, 22 (1869), *West coast Amer.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

similaris WALK., Cat. Derm. salt. Brit. mus., i, 20 (1869), *St. Dom.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

succinctus FABR., Syst. ent., 287 (1775), *In Indiis*; Spec. ins., i, 362 (1781), *Id.*; Ent. syst., ii, 46 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.*

sulphureus FABR., Spec. ins., i, 369 (1781), *Amer. bor.*; Ent. syst., ii, 59 (1793), *Amer.*; Nom. ent. emend., 82 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 563 (1806), *Id.*

talpa OLIV., Encycl. méth., vi, 633, pl. 128, figs. 10-14 (1791), *Eur., Amer. sept.*

tartaricus PANZ., Drury, Ins., 200, pl. 49, fig. 2 (1785-1788), *Virg., Antigua, N. Y., Madras, Sierra Leone.*

trifasciatus SAY, Amer. ent., iii, pl. 34 (1828), *Ark. Riv.*; Ent. N. A., ed. Lec., i, 78, pl. 34 (1859), *Id.*

turcicus FABR., Nom. ent. emend., 81 (1797, 1810), *Ind.*

unicolor OLIV., Encycl. méth., vi, 635 (1791), *Guadeloupe.*

variegatus FABR., Syst. ent., 290 (1775), *Amer.*; Spec. ins., i, 366 (1781), *Id.* — HERBST, Fuessl., Arch. ent., 1786, 194, pl. 53, fig. 3 (1786), *Id.* — FABR., Ent. syst., ii, 54 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 560 (1806), *Id.*

virens THUNB., Mém. acad. St. Pétersb., v, 250 (1815), *Ins. Barthel.*; *Ibid.*, ix, 398, 419 (1824), *Id.*

virginianus FABR., Syst. ent., 291 (1775), *Amer. bor.*; Spec. ins., i, 368 (1781), *Id.*; Ent. syst., ii, 57 (1793), *Id.* — TURT., Syst. nat. Linn., ii, 562 (1806), *Id.*

vitreipennis MARSCH., Ann. Wein. mus., i, 214, pl. 16, fig. 6 (1836), *Geo.*

vorax EMM., Agric. N. Y., v, pl. 9, fig. 1 (1854), *N. Y.*

Gryllus (Acheta)

assimilis GOEZE, Ent. beytr., ii, 87 (1778), *Jam.* — GMEL., Linn. syst. nat., i, pt. 4, 2060 (1788), *Ins. Amer. merid. opp.* — TURT., Syst. nat. Linn., ii, 544 (1806), *Jam.*

bipunctatus GOEZE, Ent. beytr., ii, 89 (1778), *Penn.*

crucis GMEL., Linn. syst. nat., i, pt. 4, 2062 (1788), *St. Croix.* — TURT., Syst. nat. Linn., ii, 545 (1806), *Id.*

domesticus GLOV., Rep. U. S. agric. dep., 1873, 142, fig. 15 (1873), *Ind., Ill.*

fasciatus GOEZE, Ent. beytr., ii, 89 (1778), *Penn.* — GMEL., Linn. syst. nat., i, pt. 4, 2063 (1788), *Id.* — TURT., Syst. nat. Linn., ii, 547 (1806), *Id.*

flavipes TURT., Syst. nat. Linn., ii, 545 (1806), *St. Thom.*

fuliginosus STOLL', Répr. spectr., Grill., 5, pl. 3c, fig. 10 (1787-1813), *Amer.*

gigas GOEZE, Ent. beytr. ii, 86 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2062 (1788), *Id.* — ROEM., Gen. ins., 13, pl. 8, fig. 8 (1789), *Id.*

grylloides GMEL., Linn. syst. nat., i, pt. 4, 2062 (1788), *Jam.*

gryllotalpa LINN., Syst. nat., 10 ed., i, 428 (1758), *Eur., Amer. bor.; Mus. Lud. Ulr. reg.*, 123 (1764), *Eur., Amer., Asia*; Syst. nat., 12 ed., ii, 693 (1767), *Eur., Amer. bor.*; Ibid., 13 ed., i, 693 (1767), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2059 (1788), *Eur., bor. Amer., Asia.* — VILL., Linn. ent. fauna suec., i, 436 (1789), *Eur., Amer. bor.* — TURT., Syst. nat. Linn., ii, 544 (1806), *Id.*

guadeloupensis TURT., Syst. nat. Linn., ii, 546 (1806), *Guadeloupe.*

hospes GOEZE, Ent. beytr., ii, 87 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2061 (1788), *Id.* — TURT., Syst. nat. Linn., ii, 545 (1806), *Id.*

membranaceus DRURY, Ill. nat. hist., ii, 81, pl. 43, fig. 2 (1773), *India.*

minutus LINN., Syst. nat., 12 ed., ii, 694 (1767), *Amer.*; Ibid., 13 ed., i, 694 (1767), *Id.* — MÜLL., Linn. natursyst., v, 424 (1774), *Id.* — GOEZE, Ent. beytr., ii, 53 (1778), *Jam.* — GMEL., Linn. syst. nat., i, pt. 4, 2060 (1788), *Amer. mer.* — TURT., Syst. nat. Linn., ii, 546 (1806), *Amer.*

monstrosus GOEZE, Ent. beytr., ii, 86 (1778), *Indianische.*

niveus GOEZE, Ent. beytr., ii, 89 (1778), *Penn.* — GMEL., Linn. syst. nat., i, pt. 4, 2063 (1788), *Id.*

punctulatus GMEL., Linn. syst. nat., i, pt. 4, 2063 (1788), *Penn.*

tessellatus GMEL., Linn. syst. nat., i, pt. 4, 2062 (1788), *Ins. St. John.* — TURT., Syst. nat. Linn., ii, 546 (1806), *Id.*

vorax STOLL', Répr. spectr., Grill., 8, pl. 4c, figs. 19, 20 (1787-1813), *Amer.*

Gryllus (Acrida)

brevicornis LINN., Syst. nat., 12 ed., ii, 692 (1767), *Amer. sept.*; Ibid., 13 ed., i, 692 (1767), *Id.* — MÜLL., Linn. natursyst., v, 419 (1774), *Mitt. Amer.* — GOEZE, Ent. beytr., ii, 45 (1778), *Amer.*

giganteus GMEL., Linn. syst. nat., i, pt. 4, 2057 (1788), *Amer.*

Gryllus (Acridium)

brevicornis LINN., Cént. ins. rar., 15 (1763), *Amer. sept.*; *Amoen. acad.*, vi, 398 (1763), *Id.*

Gryllus (Bulla)

carinatus LINN., *Syst. nat.*, 10 ed., i, 427 (1758), *In Indiis*; *Ibid.*, 12 ed., ii, 693 (1767), *Id.*; *Ibid.*, 13 ed., i, 693 (1767), *Id.* — MÜLL., *Linn. natursyst.*, v, 421 (1774), *Id.* — GOEZE, *Ent. beytr.*, ii, 46 (1778), *Id.*

serratus LINN., *Syst. nat.*, 10 ed., i, 427 (1758), *In Indiis*; *Mus. Lud. Ulr. reg.*, 121 (1764), *Id.*

unicolor LINN., *Syst. nat.*, 10 ed., i, 427 (1758), *In Indiis*; *Ibid.*, 12 ed., ii, 692 (1767), *Id.*; *Ibid.*, 13 ed., i, 692 (1767), *Id.* — MÜLL., *Linn. natursyst.*, v, 419 (1774), *Id.* — GOEZE, *Ent. beytr.*, ii, 45 (1778), *Id.*

variolosus LINN., *Syst. nat.*, 12 ed., ii, 693 (1767), *In Indiis*; *Ibid.*, 13 ed., i, 693 (1767), *Id.* — MÜLL., *Linn. natursyst.*, v, 420 (1774), *Id.*

viridimaculatus GOEZE, *Ent. beytr.*, ii, 84 (1778), *Indianische.*

Gryllus (Conocephalus)

ensiger HARR., *Hitchc., Rep. geol. Mass.*, 2 ed., 576 (1835), *Mass.*; *Cat. ins. Mass.*, 56 (1835), *Id.*

tuberculatus HARR., *Hitchc., Rep. geol. Mass.*, 582 (1833), *Mass.*; *Ibid.*, 2 ed., 576 (1835), *Id.*; *Cat. ins. Mass.*, 56 (1835), *Id.*

Gryllus (Eneoptera)

gryllodes DE HAAN, *Bijdr. kenn. Orth.*, 226, 232 (1842), *Jam., Java, Celebes.*

Gryllus (Ephippigera)

maculatus HARR., *Hitchc., Rep. geol. Mass.*, 2 ed., 576 (1835), *Mass.*; *Cat. ins. Mass.*, 56 (1835), *Id.*

Gryllus (Gryllotalpa)

borealis DE HAAN, *Bijdr. kenn. Orth.*, 225 (1842), *N. A.*

brevipennis DE HAAN, *Bijdr. kenn. Orth.*, 225 (1842), *N. A.*

mexicanus DE HAAN, *Bijdr. kenn. Orth.*, 226 (1842), *Mex.*

Gryllus (Locusta)

agilis TURT., *Syst. nat. Linn.*, ii, 555 (1806), *Penn.*

annulatus GMEL., *Linn. syst. nat.*, i, pt. 4, 2081 (1788), *Amer.*

camellifolius TURT., *Syst. nat. Linn.*, ii, 548 (1806), *Amer.*

carinatus STOLL', Répr. spectr., Saut. pass., 12, pl. 5b, fig. 16 (1787-1813) *Amer.*

carolinus LINN., Syst. nat., 10 ed., i, 433 (1758), *Amer.*; Ibid., 12 ed., ii, 701 (1767), *Id.*; Ibid., 13 ed., i, 701 (1767), *Id.* — MÜLL., Linn. natursyst., v, 443 (1774), *Car.* — GOEZE, Ent. beytr., ii, 76 (1778), *Id.* — GMEL., Linn. syst., nat., i, pt. 4, 2078 (1788), *Amer. bor.* — STOLL', Répr. spectr., Saut. pass., 34-35, Reg., 13, pl. 18b, fig. 68 (1813).

centurio DRURY, Ill. nat. hist., ii, 78, pl. 41, fig. 3 (1773), *Hond.* — GOEZE, Ent. beytr., ii, 101 (1778), *Amer.* — STOLL', Répr. spectr., Saut. pass., 15, pl. 6b, fig. 19 (1787-1813), *Nouv. Georgie.*

chrysomelas GMEL., Linn. syst. nat., i, pt. 4, 2086 (1788), *Penn.*

cristatus LINN., Syst. nat., 10 ed., i, 431 (1758), *Amer., Arab., Asia*; Mus. Lud. Ulr. reg., 137 (1764), *Asia, Afr., Amer.*; Syst. nat., 12 ed., ii, 699 (1767), *Amer., Arab., Asia*; Ibid., 13 ed., i, 699 (1767), *Id.* — STOLL', Répr. spectr., Saut. pass., 21, pl. 9b, fig. 30 (1787-1813), *Arab., Amér.*

curvicauda TURT., Syst. nat. Linn., ii, 555 (1806), *Penn.*

cyanipes GOEZE, Ent. beytr., ii, 106 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2080 (1788), *Ins. Amer. merid. opp.*

dentatus GOEZE, Ent. beytr., ii, 114 (1778), *Ind.*

dux DRURY, Ill. nat. hist., ii, 82, pl. 44 (1773), *Hond.* — GOEZE, Ent. beytr., ii, 102 (1778), *Amer.*

erythropus GMEL., Linn. syst. nat., i, pt. 4, 2086 (1788), *Penn.*

fasciatus TURT., Syst. nat. Linn., ii, 555 (1806), *Penn.*

femur rubrum GOEZE, Ent. beytr., ii, 115 (1778), *Penn.*

haematopus LINN., Syst. nat., 10 ed., i, 432 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 143 (1764), *Id.*; Syst. nat., 12 ed., ii, 432 (1767), *Id.*; Ibid., 13 ed., i, 432 (1767), *Id.* — MÜLL., Linn. natursyst., v, 439 (1774), *Id.* — GOEZE, Ent. beytr., ii, 69 (1778), *Id.*

lateralis GOEZE, Ent. beytr., ii, 107 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2080 (1788), *Ins. Amer. merid. opp.*

laurifolius TURT., Syst. nat. Linn., ii, 547 (1806), *Amer.*

maxillosus TURT., Syst. nat. Linn., ii, 549 (1806), *Amer.*

miles DRURY, Ill. nat. hist., ii, 79, pl. 42, fig. 2 (1773), *Hond.* — GOEZE, Ent. beytr., ii, 102 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2082 (1788), *Id.*

miliaris LINN., Syst. nat., 10 ed., i, 432 (1758), *Amer.*; Mus. Lud. Ulr. reg., 142 (1764), *In Indiis*; Syst. nat., 12 ed., ii, 700 (1767), *Amer.*; Ibid., 13 ed., i, 700 (1767), *Id.* — MÜLL., Linn. natursyst., v, 439 (1774), *Id.* — GOEZE, Ent. beytr., ii, 69 (1778), *Id.*

morbillosus LINN., Syst. nat., 10 ed., i, 431 (1758), *In Indiis.*

myrtifolius DRURY, Ill. nat. hist., ii, 78, pl. 41, fig. 2 (1773), *N. Y.*

perspicillatus LINN., Amoen. acad., vi, 398 (1763), *In Indiis*; Syst. nat., 12 ed., ii, 703 (1767), *Id.*; Ibid., 13 ed., i, 703 (1767), *Id.* — MÜLL., Linn. natursyst., v, 446 (1774), *Id.* — GOEZE, Ent. beytr., ii, 82 (1778), *Id.* — TURT., Syst. nat. Linn., ii, 548 (1806), *Amer.*

purpurascens STOLL', Répr. spectr., Saut. pass., 17, pl. 7b, fig. 22 (1787-1813), *Amér.*

reticularis TURTL., Syst. nat. Linn., ii, 551 (1806), *Guadeloupe*.

rusticus GOEZE, Ent. beytr., ii, 107 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2080 (1788), *Ins. Amer. merid. opp.*

specularis TURTL., Syst. nat. Linn., ii, 549 (1806), *Amer.*

spinulosus LINN., Amoen. acad., vi, 398 (1763), *In Indiis*; Syst. nat., 12 ed., ii, 703 (1767), *Id.*; Ibid., 13 ed., i, 703 (1767), *Id.* — MÜLL., Linn. natursyst., v, 445 (1774), *Id.* — GOEZE, Ent. beytr., ii, 81 (1778), *Id.*

succinctus LINN., Syst. nat., 12 ed., ii, 699 (1767), *Java, Car.*; Ibid., 13 ed., i, 699 (1767), *Id.* — MÜLL., Linn. natursyst., v, 436 (1774), *Id.*

sulphureus GMEL., Linn. syst. nat., i, pt. 4, 2079 (1788), *Amer. bor.*

variegatus LINN., Syst. nat., 10 ed., 1, 432 (1758), *Amer.*; Mus. Lud. Ulr. reg., 144 (1764), *Id.*; Syst. nat., 12 ed., ii, 700 (1767), *Id.*; Ibid., 13 ed., i, 700 (1767), *Id.* — MÜLL., Linn. natursyst., v, 441 (1774), *Id.* — GOEZE, Ent. beytr., ii, 72 (1778), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2076 (1788), *Id.*

virginianus GOEZE, Ent. beytr., ii, 106 (1778), *Virg.* — GMEL., Linn. syst. nat., i, pt. 4, 2078 (1788), *Amer. bor.*

viridifasciatus GOEZE, Ent. beytr., ii, 115 (1778), *Penn.*

Gryllus (Mantis)

bicornis LINN., Syst. nat., 10 ed., i, 426 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 116 (1764), *Id.*

carolinus LINN., Cent. ins. rar., 13 (1763), *Car.*; Amoen. acad., vi, 396 (1763), *Id.*

gigas LINN., Mus. Lud. Ulr. reg., 109 (1764), *Ind. or. et occ.*

gongylodes LINN., Syst. nat., 10 ed., i, 426 (1758), *In Indiis*.

irroratus LINN., Cent. ins. rar., 14 (1763), *Car.*; Amoen. acad., vi, 397 (1763), *Id.*

phthisicus LINN., Syst. nat., 10 ed., i, 425 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 110 (1764), *Id.*

precarious LINN., Syst. nat., 10 ed., i, 426 (1758), *Amer., Asia*; Mus. Lud. Ulr. reg., 114 (1764), *Id.*

siccifolius LINN., Syst. nat., 10 ed., i, 425 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 111 (1764), *Id.*

strumarius LINN., Syst. nat., 10 ed., i, 426 (1758), *In Indiis*.

tricolor LINN., Mus. Lud. Ulr. reg., 117 (1764), *In Indiis*.

Gryllus (Nemobius)

pulicarius DE HAAN, Bijdr. kenn. Orth., 226 (1842), *Jam.*

pumilus DE HAAN, Bijdr. kenn. Orth., 226 (1842), *St. Jean.*

Gryllus (Oecanthus)

bipunctatus DE HAAN, Bijdr. kenn. Orth., 225 (1842), *N. A.*

niveus DE HAAN, Bijdr. kenn. Orth., 225 (1842), *N. A.*

Gryllus (Phalangopsis)

annulipes DE HAAN, Bijdr. kenn. Orth., 226 (1842), *Port au Prince.*

Gryllus (Phylloptera)

myrtifolius WESTW., Drury, Ins., ii, 88, pl. 41, fig. 2 (1837), *N. Y., Amer.*

Gryllus (Platydictylus)

vicinus DE HAAN, Bijdr. kenn. Orth., 226 (1842), *Buenos Ayres, Cuba.*

Gryllus (Pterophyllum)

agilis HARR., Hitchc., Rep. geol. Mass., 582 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

concavus HARR., Hitchc., Rep. geol. Mass., 582 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

curvicauda HARR., Hitchc., Rep. geol. Mass., 582 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

fasciatus HARR., Hitchc., Rep. geol. Mass., 582 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

oblongifolius HARR., Hitchc., Rep. geol. Mass., 582 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

Gryllus (Tettigonia)

acuminatus LINN., Syst. nat., 10 ed., i, 429 (1758), *In Indis*; Mus. Lud. Ulr. reg., 130 (1764), *Id.*; Syst. nat., 12 ed., ii, 696 (1767), *Amer.*; Ibid., 13 ed., i, 696 (1767), *Id.* — MÜLL., Linn. natursyst., v, 430 (1774), *Id.* — GOEZE, Ent. beytr., ii, 60 (1778), *Id.* — STOLL, Répr. spectr., Saut. sabr., 18, 19, pl. 8a, figs. 27-29 (1787-1813), *Penn.* — ROEM., Gen. ins., 13, pl. 9, fig. 1 (1789), *Amer.*

agilis GOEZE, Ent. beytr., ii, 99 (1778), *Penn.* — GMEL., Linn. syst. nat., i, pt. 4, 2071 (1788), *Id.*

aquilinus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indis*; Mus. Lud. Ulr. reg., 133 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — MÜLL., Linn. natursyst., v, 431 (1774), *Id.* — GOEZE, Ent. beytr., ii, 61 (1778), *Id.*

camellifolius GOEZE, Ent. beytr., ii, 92 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2064 (1788), *Id.*

citrifolius LINN., Syst. nat., 10 ed., i, 429 (1758), *In Indis*; Mus. Lud. Ulr. reg., 125 (1764), *Id.*; Syst. nat., 12 ed., ii, 695 (1767), *Id.*; Ibid., 13 ed., i, 695 (1767), *Id.* — MÜLL., Linn. natursyst., v, 427 (1774), *Id.* — GOEZE, Ent. beytr., ii, 58 (1778), *Id.*

coriaceus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 136 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — MÜLL., Linn. natursyst., v, 43 (1774), *Id.*

coronatus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Ibid., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — MÜLL., Linn. natursyst., v, 430 (1774), *Id.* — GOEZE, Ent. beytr., ii, 61 (1778), *Id.*

curvicauda GOEZE, Ent. beytr., ii, 98 (1778), *Penn.* — GMEL., Linn. syst. nat., i, pt. 4, 2071 (1788), *Id.*

elongatus LINN., Mus. Lud. Ulr. reg., 127 (1764), *In Indiis*. — MÜLL., Linn. natursyst., v, 429 (1774), *Id.* — GOEZE, Ent. beytr., ii, 59 (1778), *Id.*

fasciatus GOEZE, Ent. beytr., ii, 99 (1778), *Penn.* — GMEL., Linn. syst. nat., iv, 2072 (1789), *Id.*

fastigiatus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 135 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — GOEZE, Ent. beytr., ii, 62 (1778), *Id.*

lamellatus LINN., Syst. nat., 10 ed., i, 429 (1758), *In Indiis*.

lamellosus LINN., Mus. Lud. Ulr. reg., 128 (1764), *In Indiis*; Syst. nat., 12 ed., ii, 696 (1767), *Id.*; Ibid., 13 ed., i, 696 (1767), *Id.* — GOEZE, Ent. beytr., ii, 60 (1778), *Id.* — TURR., Syst. nat. Linn., ii, 550 (1806), *Amer.*

laurifolius LINN., Syst. nat., 10 ed., i, 429 (1758), *In Indiis*; Syst. nat., 12 ed., ii, 695 (1767), *Id.*; Ibid., 13 ed., i, 695 (1767), *Id.* — MÜLL., Linn. natursyst., v, 428 (1774), *Car., Brésil, Jan.* — GOEZE, Ent. beytr., ii, 59 (1778), *Car.* — GMEL., Linn. syst. nat., i, pt. 4, 2063 (1788), *Amer., Nov. Holl.*

maxillosus GOEZE, Ent. beytr., ii, 93 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2064 (1788), *Ins. Amer. opp.*

melanopterus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 134 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — MÜLL., Linn. natursyst., v, 431 (1774), *Id.* — GOEZE, Ent. beytr., ii, 62 (1778), *Id.*

oblongifolius GOEZE, Ent. beytr., ii, 98 (1778), *Penn.*

ocellatus LINN., Syst. nat., 10 ed., i, 429 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 129 (1764), *Id.*; Syst. nat., 12 ed., ii, 696 (1767), *Id.*; Ibid., 13 ed., i, 696 (1767), *Id.* — MÜLL., Linn. natursyst., v, 429 (1774), *Id.* — GOEZE, Ent. beytr., ii, 60 (1778), *Id.*

oxycephalus STOLL', Répr. spectr., Saut. sabr., 19, pl. 8a, figs. 30-32 (1787-1813), *Amér.*

perspicillatus GOEZE, Ent. beytr., ii, 93 (1778), *Amer.*

rugosus LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Mus. Lud. reg., 132 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697 (1767), *Id.* — MÜLL., Linn. natursyst., v, 430 (1774), *Id.* — GOEZE, Ent. beytr., ii, 61 (1778), *Id.*

specularis GOEZE, Ent. beytr., ii, 93 (1778), *Amer.* — GMEL., Linn. syst. nat., i, pt. 4, 2064 (1788), *Id.*

triops LINN., Syst. nat., 10 ed., i, 430 (1758), *In Indiis*; Mus. Lud. Ulr. reg., 131 (1764), *Id.*; Syst. nat., 12 ed., ii, 697 (1767), *Id.*; Ibid., 13 ed., i, 697

(1767), *Id.* — MÜLL., Linn. natursyst., v, 430 (1774), *Id.* — GOEZE, Ent. beytr., ii, 60 (1778), *Id.*

Gryllus (Tryxalis)

brevicornis TURK., Syst. nat. Linn., ii, 542 (1806), *Amer.*

giganteus GMEL., Linn. syst. nat., i, pt. 4, 2057 (1788), *Amer.* — TURK., Syst. nat. Linn., ii, 542 (1806), *Id.*

Gymnes

punctatus SCUDD., Psyche, v, 440-441 (1890), *Cala.*; Cat. Orth. U. S., 21 (1900), *Id.*

Gymnoscirtetes

pusillus BRUN., Scudd., Rev. Mel., 15-16, pl. 2, fig. 1 (1897), *Fla.* — SCUDD., Cat. Orth. U. S., 48 (1900), *Id.*

Hadenocerus

cavernarum SCUDD., Proc. Bost. soc. nat. hist., xii, 409 (1869), *N. A. caves*; Ent. notes, ii, 48 (1869), *Id.*; Proc. Bost. soc. nat. hist., xix, 38 (1877), *Mammoth cave*; Ent. notes, vi, 16 (1878), *Id.* — BOL., Ann. soc. ent., France, (5), x, 72 (1880). — RIL., Stand. nat. hist., ii, 184, fig. 260 (1884), *N. A. caves.* — COMST., Intr. ent., 114 (1888). — BLATCHL., Proc. Ind. acad. sc., 1892, 153 (1894), *Wyandotte cave.* — SCUDD., Proc. amer. acad. arts sc., xxx, 22-23 (1894), *Caves of Ky., Va.*; Cat. Orth. U. S., 80-81 (1900), *Ky., Tenn., Va.*

puteanus SCUDD., Proc. Bost. soc. nat. hist., xix, 37-38 (1877), *N. C.*, *Miss.*; Ent. notes, vi, 15-16 (1878), *Id.*; Proc. amer. acad. arts sc., xxx, 23 (1894), *Id.*; Cat. Orth. U. S., 81 (1900), *Id.*

subterraneus SCUDD., Bost. journ. nat. hist., vii, 441 (1862), *Mammoth cave.* — PACK., Guide ins., 565 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 201 (1869), *Id.*; Ibid., v, Suppl., 22 (1871), *West coast Amer.* — SMITH, Rep. Conn. bd. agric., 1872, 360 (1872), *Mammoth cave.* — GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 6 (1872). — COPE-PACK., Amer. nat., xv, 882 (1881), *Nickajack cave, Tenn.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 310, fig. 34 (1888), *Mammoth cave*; Mon. Steñop., 66, fig. 34 (1888), *Id.* — PACK., Mem. nat. acad. sc., iv, 67-70, 83, 116, fig. 16, pl. 17, fig. 3 (1888), *Ky. caves*; Psyche, v, 198-199 (1889). — GARM., Ibid., vi, 106, fig. (1891); Orth. Ky., 5, 6 (1894), *Ky.*

Hadrotettix

gracilis BRUN., Publ., Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep.

Nebr. bd. agric., 1896, 134 (1897), *Id.* — SCUDD., *Psyche*, ix, 67, 68 (1900), *Nebr., S. Dak., Col., Tex., Ariz.*

mundus SCUDD., *Psyche*, ix, 67, 68-69 (1900), *Cala.*

nebulosus SCUDD., *Psyche*, ix, 67, 69 (1900), *Mex.*

trifasciatus SCUDD., *Ann. rep. chief eng.*, 1876, 511 (1876), *N. Mex.*; *Anfi. rep. U. S. geol. surv. w.* 100 mer., 1876, 291 (1876), *Id.* — UHL., *Bull. U. S. geol. surv. terr.*, iii, 795 (1877), *Col.* — BRUN., *Bull. U. S. ent. comm.*, iii, 57 (1883), *Col., Wyo., Dak., Mont., Nebr., etc.* — SAUSS., *Prodr. Oedip.*, 183 (1884), *Kans., Utah, Col., N. Mex., Tex.* — BRUN., *Bull. Washb. coll.*, i, 134 (1885), *Kans., Brit. Amer., Tex.*; *Ibid.*, i, 198 (1886), *Kans.*; *Rep. U. S. ent.*, 1885, 307 (1886), *Yellowstone.* — COCK., *Ent.*, xii, 301 (1888), *Col.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 25 (1893), *Nebr.*; *Ann. rep. Nebr. bd. agric.*, 1896, 134 (1897), *Id.* — SCUDD., *Cat. Orth. U. S.*, 43 (1900), *Rocky Mt. region*; *Psyche*, ix, 67-68 (1900), *Id.*

Haemodiasma

tessellata BRUNN., *Mon. Pseudoph.*, 115, pl. 5, fig. 53 (1895), *Pan.* — SAUSS.-PICT., *Biol. centr. amer., Orth.*, 408 (1898), *Id.*

Haldemanella

robusta BRUN., *Proc. U. S. nat. mus.*, xii, 81-82 (1890), *Ariz.* — RIL., *N. A. fauna*, vii, 251 (1893), *Cala.* — SCUDD., *Cat. Orth. U. S.*, 44 (1900), *Ariz.*

tschivavensis SAUSS., [Haldm-] *Add. prodr. Oedip.*, 153-154 (1888), *Chihahuahua, Utah, Ariz.* — TOWNS., [-mannia] *Ins. life*, vi, 31 (1893), *N. Mex.* — SCUDD., *Cat. Orth. U. S.* 44 (1900), *Utah to Tex.*

Haldemannia

tschivavensis. See *Haldemanella tschivavensis.*

Haldmanella

tschivavensis. See *Haldemanella tschivavensis.*

Hapithus*

agitator UHL., *Proc. ent. soc. Philad.*, ii, 546-547 (1864), *Md.* — WALK., *Cat. Derm. salt. Brit. mus.*, i, 61 (1869), *Id.* — GLOV., *Ill. N. A. ent., Orth.*, pl. 16, fig. 16 (1874). — RIL., *Stand. nat. hist.*, ii, 183 (1884), *U. S.* — SMITH, *Cat. ins. N. J.*, 408 (1890), *N. J.* — PACK., *Ins. inj. for.*, 280 (1890). —

* See also *Apithes.*

BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.*—GARM., [-trix] Orth. Ky., 6 (1894), *Ky.*—ASHM., Ins. life, vii, 25 (1894), *Miss.*

See also Apithes agitator.

quadratus SCUDD., Proc. Bost. soc. nat. hist., xii, 140 (1868), *Cuba, Tex.*; Ent. notes, ii, 3 (1869), *Id.*—WALK., Cat. Derm. salt. Brit. mus., i, 61 (1869), *Tex.*—THOM., Amer. ent., ii, 206 (1870), *Tex.*—SCUDD., Cent. Orth., 4 (1879), *Cuba, Tex.*

See also Apithes quadratus.

Haplopus

angulatus BURM., Handb. ent., ii, 577 (1838), *St. Thom., St. John.*

bispinosus WESTW., Cat. Phasm., 87 (1859), *Amer., Brasilia.*

cubensis SAUSS., Rev. mag. zool., (2), xx, 68 (1868), *Cuba*; Miss. scient. Mex., Rech. zool., vi, 192-193 (1872), *Id.*—BOL., Mém. soc. zool. France, i, 140 (1888), *Id.*; Orth. Cuba, 25 (1888), *Id.*—GUNDL., Ent. cub., ii, 333-334 (1890), *Id.*

cytherea WESTW., Cat. Phasm., 86, pl. 18, fig. 5 (1859), *St. Dom.*

evadne WESTW., Cat. Phasm., 85, pl. 18, fig. 6 (1859), *St. Dom.*

jamaicensis WESTW., Cat. Phasm., 86 (1859), *India occ., Jan.*

ligia WESTW., Cat. Phasm., 89, pl. 11, figs. 1, 2 (1859), *St. Dom.*

micropterus WESTW., Cat. Phasm., 87 (1859), *St. Thom., St. John.*

See also Phasma (Haplopus) micropterus.

spinipes WESTW., Cat. Phasm., 87 (1859), *Ind. occ.*

See also Phasma (Haplopus) spinipes.

Harpagonyx

dohrnianus SAUSS.-ZEHTN., Biol. centr. amer., Orth., 176 (1894), *Guat.*

gryps SAUSS.-ZEHTN., Biol. centr. amer., Orth., 176, pl. 8, figs. 4, 4ab (1894), *Mex., Guat.*

maya SAUSS.-ZEHTN., Biol. centr. amer., Orth., 176 (1894), *Mex.*

Harpax

musarum. *See* Mantis (Harpax) musarum.

Harpephora

obtusa COCK., Journ. inst. Jam., i, 258 (1893), *Jam.*

Heliastus

aridus SCUDD., Can. ent., xxix, 75 (1897); Cat. Orth. U. S., 44 (1900), *N. Mex., Calu.*; Psyche, ix, 45, 46 (1900), *N. Mex., Calu., Mex.*

aztecus SAUSS., Prodr. Oodip., 214 (1884), *Mex.*

californicus SCUDD., Can. ent., xxix, 75 (1897); Cat. Orth. U. S., 44 (1900), *Cala.*; Psyche, ix, 45, 43 (1900), *Cala., Utah, Mex.*

guatemalae SAUSS., Add. prodr. Oedip., 91 (1888), *Guat.*

minimus SCUDD., Psyche, ix, 46-47 (1900), *Cala.*

sumichrasti SAUSS., Prodr. Oedip., 213 (1884), *Mex., Guat.*; Add. prodr. Oedip., 90 (1888), *Hond., Mex.*

venezuelae SAUSS., Prodr. Oedip., 213-214 (1884), *Venez., Colombia, Pan.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 64, pl. 3, fig. 4 (1895), *Nicar.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.*

Hemiblabera

brunneri SAUSS., Soc. ent., viii, 68 (1893).

granulata SAUSS., Soc. ent., viii, 68 (1893), *Mex.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 122, pl. 5, fig. 21 (1894), *Id.*

manca SAUSS., Soc. ent., viii, 68 (1893), *Porto Rico.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 122, pl. 5, fig. 20 (1894), *Id.*

Heminyctobora

truncata. See *Nyctobora* (*Heminyctobora*) *truncata.*

Hemiudeopsylla

californiana SAUSS.-PICT., Biol. centr. amer., Orth., 302 (1897), *Cala.* — SCUDD., Can. ent., xxxi, 121 (1899), *Id.*; Cat. Orth. U. S., 85 (1900), *Id.*

forreriana SAUSS.-PICT., Biol. centr. amer., Orth., 302-303, pl. 15, fig. 1 (1897), *Durango.*

genicularis SAUSS.-PICT., Biol. centr. amer., Orth., 301-302 (1897), *Durango.*

platyceps SAUSS.-PICT., Biol. centr. amer., Orth., 302 (1897), *Cala.* — SCUDD., Cat. ent., xxxi, 121 (1899), *Id.*; Cat. Orth. U. S., 85 (1900), *Id.*

Hermistria

pulchripes STÅL, Rec. Orth., i, 52 (1873), *Mex.*

Herus

See *Syrbula* (*Herus*).

Hesperotettix

brevipennis SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *Atl. coast*; Rev. Mel., 57, 63-64, pl. 5, fig. 2 (1897), *Mass., N. J., Geo.* — MORSE,

Psyche, viii, 256, 271-272 (1898), *Mass.*, *N. J.*; *Ibid.*, viii, 321 (1899), *N. E.*
 — SCUDD., *Cat. Orth. U. S.*, 49 (1900), *Atl. st.*; *Psyche*, ix, 102 (1900), *N. E.*
 — SMITH, *Ins. N. J.*, 155 (1900), *N. J.*

curtipennis BRUN., Scudd., *Rev. Mel.*, 57, 62-63 (1897), *Col.* — SCUDD., *Cat. Orth. U. S.*, 50 (1900), *Id.*

festivus SCUDD., *Rev. Mel.*, 56, 60-61, pl. 4, fig. 10 (1897), *Utah, Cal.*;
Cat. Orth. U. S., 50 (1900), *Utah to Cal.*

frontalis BRUN., *Rep. Nebr. bd. agric.*, 1899, 247 (1899), *Nebr.*

meridionalis SCUDD., *Rev. Mel.*, 56, 59-60, pl. 4, fig. 9 (1897), *Mex.*

montanus RIL., Towns., *Ins. life*, vi, 31 (1893), *N. Mex.*

pacificus BRUN., Koeb., *Bull. div. ent. U. S. dep. agric.*, xxii, 94 (1890),
Shasta vall. — SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 205 (1897), *U. S.*;
Rev. Mel., 57, 61-62, pl. 5, fig. 1 (1897), *Cal.*; *Cat. Orth. U. S.*, 50 (1900),
Id.

picticornis. See *Caloptenus (Hesperotettix) picticornis.*

pratensis SCUDD., *Rep. ent. soc. Ont.*, xxvi, 65 (1896), *Minn. to Wash.* —
 BALL, *Proc. Iowa acad. sc.*, iv, 240 (1897), *Iowa.* — BRUN., *Ann. rep. Nebr.*
bd. agric., 1896, 135 (1897), *Nebr.* — SCUDD., *Rev. Mel.*, 57, 64-66, pl. 5, fig. 3
 (1897), *Red River, Ill., Iowa, Nebr., N. Dak., Wyo., Mont., Wash., Cal.,*
Utah, Col., Tex. — LUGG., *Orth. Minn.*, 177-178, fig. 107 (1898), *Minn.* —
 McNEILL, *Psyche*, viii, 334 (1899), *Ark.* — BRUN., *Rep. Nebr. bd. agric.*, 1899,
 247, 271 (1899), *Nebr.* — SCUDD., *Cat. Orth. U. S.*, 50 (1900), *Miss. Riv. to*
Cal. — HUNT.-SUTT., *Psyche*, ix, 63 (1900), *Kans.*

speciosus SCUDD., *Proc. amer. acad. arts sc.*, xxxii, 205 (1897), *U. S.* —
 BRUN., *Rep. Nebr. bd. agric.*, 1896, 135, fig. 33 (1897), *Nebr.* — SCUDD., *Rev.*
Mel., 57, 66-68, pl. 5, fig. 4 (1897), *Nebr., Kans., Col., Tex., Dak., Wyo.,*
Iowa, Mo., N. Mex. — BRUN., *Rep. Nebr. st. hort. soc.*, 1899, 133 (1899);
Rep. Nebr. bd. agric., 1899, 271, fig. 52 (1899), *Nebr.* — SCUDD., *Cat. Orth.*
U. S., 50 (1900), *Rocky Mts. to Miss. Riv.* — HUNT.-SUTT., *Psyche*, ix, 63-64
 (1900), *Kans.*

viridis SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 262 (1876), *Utah*; *Ann.*
rep. chief eng., 1876, 506 (1876), *Cal.*; *Ann. rep. U. S. geol. surv. w. 100*
mer., 1876, 286 (1876), *Id.* — THOM., *Proc. Dav. acad. nat. sc.*, i, 262 (1876),
Utah. — UHL., *Bull. U. S. geol. surv. terr.*, iii, 795 (1877), *Col., N. J., Tex.,*
Mex. — THOM., *Ann. rep. chief eng.*, 1878, 1845 (1878), *Col.* — SCUDD., *Rep.*
U. S. ent. comm., ii, App., 24 (1881), *Utah.* — BRUN., *Ibid.*, iii, 59 (1883),
Utah, Col., Nebr., Minn., Kans.; *Bull. Washb. coll.*, i, 137 (1885), *Kans.* —
 COQ., *Rep. U. S. ent.*, 1885, 295, 297 (1886), *Cal.* — BRUN., *Ibid.*, 1885, 307
 (1886), *Yellowstone.* — COCK., *Ent.*, xxi, 301 (1888), *Col.* — MORSE, *Psyche*,
 vi, 262 (1892), *Mass.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 26 (1893), *Nebr.* —
 MORSE, *Psyche*, vii, 106 (1894), *N. E.* — SCUDD., *Proc. amer. acad. arts sc.*,
 xxxii, 205 (1897), *U. S.*; *Rev. Mel.*, 56, 57-59, pl. 4, fig. 8 (1897), *Nebr., Kans.,*
Col., N. Mex., Tex., Ariz., Cal., Nev. — BRUN., *Ann. rep. Nebr. bd. agric.*,
 1896, 135 (1897), *Nebr.* — COCK., *Ent. news*, x, 43 (1899), *N. Mex.* — SCUDD.,
Cat. Orth. U. S., 50 (1900), *Nebr. to Tex. and Cal.* — COCK., *Amer. nat.*,
 xxxiv, 290 (1900), *Ariz., N. Mex.*

Heterocous

auditor SAUSS., Biol. centr. amer., Orth., 283-284, pl. 13, figs. 33, 34 (1897), *Pan.*

smithianus SAUSS., Biol. centr. amer., Orth., 284, pl. 13, fig. 35 (1897), *Mex.*

Heterogamia

mexicana BURM., Handb. ent., ii, 490 (1838), *Mex.*

Heteronemia

mexicana GRAY, Syn. Phasm., 19 (1835), *Mex.*

Heteropus

See Tridactylus (Heteropus).

Hetrodes

spinulosus FISCH. WALDH., Bull. soc. imp. nat. Mosc., 1839, 110 (1839), *In Indis.*

Hippiscus

ativolus SCUDD., Appal., viii, 307-308, pl. 41, figs. 4, 5 (1898), *Col.*; Alp. Orth. N. A., 9-10, pl. 41, figs. 4, 5 (1898), *Id.*

aurilegulus RIL., N. A. fauna, vii, 251 (1893), *Cala.*

carolinus. *See* Oedipoda (Hippiscus) carolina.

compactus SCUDD., Psyche, vi, 268, 288 (1892), *Md., Car.*; Cat. Orth. U. S., 32 (1900), *Md., N. C.* — SMITH, Ins. N. J., 157 (1900), *N. J.*

corallipes SCUDD., Bull. U. S. geol. surv. terr., ii, 264 (1876), *Col.* — THOM., Bull. Ill. mus. nat. hist., i, 65 (1876), *Ill.* — SCUDD., Ann. rep. chief eng., 1876, 509 (1876), *Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 289 (1876), *Id.* — THOM., Ann. rep. chief eng., 1878, 1845 (1878), *Id.* — SCUDD., Rep. U. S. ent. comm., ii, App., 26 (1881), *Utah.* — BRUN., Bull. div. ent. U. S. dep. agric., ii, 9 (1883), *N. Dak.*; Rep. U. S. ent. comm., iii, 57 (1883), *Utah, Nebr., Dak.*; Can. ent., xvii, 12 (1885); Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 196 (1886), *Kans.*; Bull. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 101 (1897), *Id.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 53 (1898).

corallipes rugosus THOM., Rep. ent. Ill., ix, 89, 95, 115-116 (1880), *Ill.*

discoideus STÅL, Rec. Orth., i, 121 (1873), *Tex.* — THOM., Bull. Ill. mus. nat. hist., i, 66 (1876), *Ill.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 89 (1877), *Fla.*; Ent. notes, vi, 30 (1878), *Id.* — THOM., Rep. ent. Ill., ix, 89, 95, 116-117

(1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Fla.*; Bull. Washb. coll., i, 132 (1885), *Kans.* — COMST., Intr. ent., 104 (1888).

haldemani SCUDD., Bull. U. S. geol. surv. terr., ii, 264 (1876), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SAUSS., Prodr. Oedip., 85-86 (1884), *Tex.*, *Kans.* — BRUN., Bull. div. ent. U. S. dep. agric., iv, 56 (1884), *N. Mex.*; Can. ent., xvii, 12 (1885); Bull. Washb. coll., i, 197 (1886), *Kans.* — SCUDD., Psyche, vi, 267, 286 (1892), *Centr. U. S.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 239 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 131 (1897), *Nebr.* — LUGG., Orth. Minn., 156, fig. 93 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 32-33 (1900), *Centr. U. S.*

lateritius RIL., [latert-] N. A. fauna, vii, 251 (1893), *Cal.*

leprosus COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.*

lineatus SCUDD., Proc. Bost. soc. nat. hist., xix, 31 (1877), *Col.*; Ent. notes, vi, 9 (1878), *Id.*; Cent. Orth., 48 (1879), *Id.*; Rep. U. S. ent. comm., ii, App., 26 (1881), *Idaho.* — BRUN., Ibid., iii, 57 (1883), *Idaho*, *Col.* — SAUSS., Prodr. Oedip., 87 (1884), *Col.* — BRUN., Can. ent., xvii, 12 (1885), *Wash.*

montanus BRUN., Can. ent., xvii, 12 (1885), *Wash.* — SAUSS., Add. prodr. Oedip., 170 (1888), *Mont.* — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 131 (1897), *Id.*

nanus SAUSS., Prodr. Oedip., 86-87 (1884), *Col.*

neglectus SCUDD., Bull. U. S. geol. surv. terr., ii, 264 (1876), *Col.* — THOM., Rep. ent. Ill., ix, 89, 95, 114-115 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Col.*, *N. Mex.*, *Wyo.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 197 (1886), *Kans.* — MCNEILL, Psyche, vi, 63-64 (1891), *Ill.*

ocelote WALK., Cat. Derm. salt. Brit. mus., iv, 797 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 200 (1873), *Id.* — SAUSS., Prodr. Oedip., 84-85 (1884), *Cordova*; Add. prodr. Oedip., 26-27 (1888), *Mex.* — SCUDD., Psyche vi, 268, 302 (1892), *Id.*

See also Oedipoda (Hippiscus) ocelote.

pantherinus SCUDD., Psyche, vi, 267, 285-286 (1892), *Tex.*; Cat. Orth. U. S., 33 (1900), *Id.*

paradoxus BRUN., Bull. Washb. coll., i, 132 (1885), *Wyo.*; Publ. Nebr. acad. sc., iii, 24 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 131 (1897), *Id.*

See also Hippiscus rugosus paradoxus.

phoenicopterus SCUDD., Hitchc., Rep. geol. N. H., i, 377 (1874), *N. E. to Fla.*, *Col.*, *Dak.*, *Nebr.*; Daws., Rep. geol. 49 par., 344 (1875), *Dufferin.* — THOM., Bull. Ill. mus. nat. hist., i, 66 (1876), *Ill.* — SCUDD., Psyche, ii, 154 (1878), *Fla.* — THOM., Bull. U. S. geol. surv. terr., iv, 483 (1878), *Dak.*, *Mont.*; Rep. ent. Ill., ix, 89, 95, 117, figs. 14, 18 (1880), *Ill.* — SAUSS., Prodr. Oedip., 87 (1884), *Geo.*, *Penn.*, *Tex.* — BRUN., Bull. Washb. coll., i, 132 (1885), *Nebr.* — CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Can.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 79 (1891), *Ind.* — MCNEILL,

Psyche, vi, 63 (1891), *Ill.*—SCUDD., *Ibid.*, vi, 267, 274, 285 (1892), *Fla. to Tex., Geo., N. C., Va., Md., Penn., N. J., Ill., Nebr.*—OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.*—BRUN., *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 298, pl. 9, fig. 4 (1894), *N. Y.*—BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 131 (1897), *Nebr.*—SCUDD., *Cat. Orth. U. S.*, 33 (1900), *South. U. S. e. Gr. Plains.*—SMITH, *Ins. N. J.*, 157 (1900), *N. J.*—M'CLUNG, *Kans. univ. quart.*, ix, 74 (1900).

See also Oedipoda (Hippiscus) phoenicoptera.

putnami BRUN., *Rep. U. S. ent. comm.*, iii, 57 (1883), *Utah or N. Mex.*

rugosus SCUDD., *Hitchc., Rep. geol. N. H.*, i, 377 (1874), *N. H., Me., Mass.*—SAUSS., *Prodr. Oedip.*, 85 (1884), *Me., Mass., Mo., Tex.*—BRUN., *Bull. Washb. coll.*, i, 132 (1885), *Kans.*; *Rep. U. S. ent.*, 1885, 307 (1886), *Yellowstone.*—FERN., *Ann. rep. Mass. agric. coll.*, xxv, 126 (1888), *N. E.*; *Orth. N. E.*, 42 (1888), *Id.*—SMITH, *Cat. ins. N. J.*, 414 (1890), *N. J.*—BLATCHL., *Can. ent.*, xxiii, 78-79 (1891), *Ind.*—MCNEILL, *Psyche*, vi, 63 (1891), *Ill.*—SCUDD., *Ibid.*, vi, 268, 287-288 (1892), *Me., Mass., Del., N. J. Md., Geo., Ill., Kans., Mont., Tex.*—BRUN., *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.*—MORSE, *Psyche*, vii, 105 (1894), *N. E.*—GARM., *Orth. Ky.*, 3, 9 (1894), *Ky.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 298 (1894), *N. Y.*—ASHM., *Ins. life*, vii, 26 (1894), *Miss.*—MORSE, *Psyche*, viii, 8, 36, 81-82, pl. 2, fig. 22 (1897), *N. E., Ohio, Ill.*—BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.*—BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 131 (1897), *Nebr.*—BLATCHL., *Can. ent.*, xxx, 63 (1898), *Ind.*—LUGG., *Orth. Minn.*, 149-150 (1898), *Minn.*—SCUDD., *Cat. Orth. U. S.*, 33 (1900), *U. S. e. Rocky Mts.*—FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.*—SCUDD., *Psyche*, ix, 101 (1900), *N. E.*—SMITH, *Ins. N. J.*, 157 (1900), *N. J.*

See also Hippiscus corallipes rugosus.

rugosus paradoxus BLATCHL., *Can. ent.*, xxiii, 79 (1891), *Ind.*

saussurei SCUDD., *Psyche*, vi, 268, 302 (1892), *Tex.*; *Cat. Orth. U. S.*, 33 (1900), *Id.*

suturalis SCUDD., *Psyche*, vi, 268, 301-302 (1892), *Ill.*; *Cat. Orth. U. S.*, 33 (1900), *Id.*

texanus SCUDD., *Psyche*, vi, 267, 286-287 (1892), *Tex.*; *Cat. Orth. U. S.*, 33 (1900), *Id.*

tigrinus BRUN., *Bull. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.*; *Rep. Nebr. bd. agric.*, 1896, 131 (1897), *Id.*—LUGG., *Orth. Minn.*, 151-153, fig. 92 (1898), *Minn.*—BRUN., *Rep. Nebr. bd. agric.*, 1899, 247 (1899), *Nebr.*

tuberculatus SAUSS., *Prodr. Oedip.*, 87-88 (1884), *N. Y., Col., Fla., Mo., Conn.*; *Add. prodr. Oedip.*, 27 (1888), *N. A.*—FERN., *Ann. rep. Mass. agric. coll.*, xxv, 111, 126 (1888), *N. E.*; *Orth. N. E.*, 27, 42 (1888), *Id.*—DAY., *Ent. amer.*, v, 81 (1889), *Staten Is.*—SMITH, *Cat. ins. N. J.*, 414 (1890), *N. J.*—MCNEILL, *Psyche*, vi, 63 (1891), *Ill.*—SCUDD., *Ibid.*, vi, 269, 303-304 (1892), *Arct. amer., Huds. Bay, Nova Scotia, Manit., Alberta, Dak., Mont., Wyo., U. S. south to Penn., N. J., D. C., S. C., Fla., Mo., Kans., Nebr., Col., Lake Superior.*—BRUN., *Science*, xxi, 133 (1893), *Wyo.*; *Publ. Nebr.*

acad. sc., iii, 24 (1893), *Nebr.*—MORSE, *Psyche*, vii, 105 (1894), *N. E.*—GARM., *Orth. Ky.*, 9 (1894), *Ky.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 297–298, pl. 10, fig. 3 (1894), *N. Y.*—MORSE, *Psyche*, viii, 7, 36, 81, pl. 2, figs. 21, 21a (1897), *N. E.*—BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.*—BALL, *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa.*—BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 131, fig. 31 (1897), *Nebr.*—BLATCHL., *Can. ent.*, xxx, 61, 63 (1898), *Ind.*—SCUDD., *Appal.*, viii, 307 (1898), *Mt. Washington, McKenzie Riv.*; *Alp. Orth. N. A.*, 9 (1898), *Id.*—LUGG., *Orth. Minn.*, 153–155, figs. 89–91 (1898), *Minn.*—WALK., *Can. ent.*, xxx, 260 (1898), *Ont.*—MORSE, *Psyche*, viii, 322 (1899), *N. E.*—BLATCHL., *Gleanings*, 235, fig. 61 (1899), *Ind.*—SCUDD., *Cat. Orth. U. S.*, 33 (1900), *N. A. e. Rocky Mts.*—FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.*—SCUDD., *Psyche*, ix, 101 (1900), *N. E.*—SMITH, *Ins. N. J.*, 157 (1900), *N. J.*

variegatus SCUDD., *Psyche*, vi, 268, 301 (1892), *Penn., Md., D. C., Ind., Ill., Kans., Va., Ala., Tenn., Miss., Mo., Nebr.*—BRUN., *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.*; *Rep. Nebr. bd. agric.*, 1896, 131 (1897), *Id.*—BALL, *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa.*—LUGG., *Orth. Minn.*, 157, fig. 94 (1898), *Minn.*—BRUN., *Rep. Nebr. bd. agric.*, 1899, 271 (1899), *Nebr.*—SCUDD., *Cat. Orth. U. S.*, 33 (1900), *Centr. U. S., e. Gr. Plains.*

zapotecus BRUN., *Publ. Nebr. acad. sc.*, iii, 24 (1893), *Nebr.*; *Rep. Nebr. bd. agric.*, 1896, 131 (1897), *Id.*; *Ibid.*, 1899, 247, 271 (1899), *Id.*

Hippiscus (Stictippus)

californicus SCUDD., *Psyche*, vi, 269, 317–318 (1892), *Cala.*; *Cat. Orth. U. S.*, 33 (1900), *Id.*

marmoratus SCUDD., *Psyche*, vi, 269, 318 (1892), *Cala.*; *Cat. Orth. U. S.*, 33 (1900), *Id.*

Hippiscus (Xanthippus)

affrictus SCUDD., *Psyche*, vi, 272, 336, 347 (1892), *Dak., Nev., Col., Ariz.*; *Cat. Orth. U. S.*, 34 (1900), *Id.*

albulus SCUDD., *Psyche*, vi, 273, 350, 359 (1892), *Ariz.*; *Cat. Orth. U. S.*, 34 (1900), *Id.*

altivolus SCUDD., *Psyche*, vi, 272, 347–348 (1892), *Col.*; *Cat. Orth. U. S.*, 34 (1900), *Mts. of Col.*

aurilegulus SCUDD., *Psyche*, vi, 274, 362–363 (1892), *Cala.*; *Cat. Orth. U. S.*, 34 (1900), *Id.*

calthulus SCUDD., *Psyche*, vi, 274, 361–362 (1892), *Nev., Cala.*; *Cat. Orth. U. S.*, 34 (1900), *Id.*

***conspicuous** SCUDD., *Psyche*, vi, 271, 319–320 (1892), *Kans., N. Mex.*; *Cat. Orth. U. S.*, 34 (1900), *Id.*

corallipes SCUDD., *Psyche*, vi, 270, 318–319 (1892), *West. N. A.*; *Cat. Orth. U. S.*, 34 (1900), *Gr. Plains and Rocky Mt. region.*

cupidus SCUDD., *Psyche*, vi, 272, 348-349 (1892), *Ariz.*; Cat. Orth. U. S., 34 (1900), *Id.*

eremitus SCUDD., *Psyche*, vi, 271, 320, 333 (1892), *Ariz.*; Cat. Orth. U. S., 34 (1900), *Id.*

griseus SCUDD., *Psyche*, vi, 274, 362 (1892), *Utah*; Cat. Orth. U. S., 34 (1900), *Id.*

lateritius SCUDD., *Psyche*, vi, 274, 361 (1892), *Nev.*; Cat. Orth. U. S., 34 (1900), *Nev., Cal.*

latifasciatus SCUDD., *Psyche*, vi, 273, 359 (1892), *Manit., Alberta, Dak.*; Cat. Orth. U. S., 34 (1900), *Id.*

leprosus SCUDD., *Psyche*, vi, 271, 334 (1892), *N. Mex., Mont., Nev.*; Cat. Orth. U. S., 34 (1900), *Id.*

maculatus SCUDD., *Psyche*, vi, 271, 333-334 (1892), *Col., Ariz., Mex.*; Cat. Orth. U. S., 34 (1900), *Id.*

montanus SCUDD., *Psyche*, vi, 273, 361 (1892), *Idaho, Mont., Nebr., N. Mex., Ariz.*; Cat. Orth. U. S., 35 (1900), *Id.*

neglectus SCUDD., *Psyche*, vi, 273, 360-361 (1892), *Col., Utah, N. Mex., Ariz., Nev., Cal., Mont., Idaho, Wash., Wyo., Brit. Amer.*; Cat. Orth. U. S., 35 (1900), *Rocky Mt. region and Interior Basin.*

obscurus SCUDD., *Psyche*, vi, 273, 359-360 (1892), *Brit. Col.*; Cat. Orth. U. S., 35 (1900), *Id.*

paradoxus SCUDD., *Psyche*, vi, 271, 335-336 (1892), *Nebr., Utah, N. Mex., Ariz., Idaho*; Cat. Orth. U. S., 35 (1900), *Idaho and Nebr. to Ariz. and N. Mex.*

pardalinus SCUDD., *Psyche*, vi, 271, 333 (1892), *Utah, Cal., Mex.*; Cat. Orth. U. S., 35 (1900), *Cal., Nev., Utah, N. Mex.*

pumilus SCUDD., *Psyche*, vi, 272, 349-350 (1892), *Col., N. Mex., Ariz.*; Cat. Orth. U. S., 35 (1900), *Id.*

stigmatosus SCUDD., *Psyche*, vi, 274, 363 (1892), *Cal., Nev.*; Cat. Orth. U. S., 35 (1900), *Id.*

tigrinus SCUDD., *Psyche*, vi, 271, 334 (1892), *Col., Nebr., Ariz.*; Cat. Orth. U. S., 35 (1900), *Id.*

toltecus SCUDD., *Psyche*, vi, 272, 347 (1892), *Mex., Utah, Mont., Wyo.*; Cat. Orth. U. S., 35 (1900), *Id.*

vitellinus SCUDD., *Psyche*, vi, 274, 362 (1892), *Nev., Or., Idaho*; Cat. Orth. U. S., 35 (1900), *Id.*

xapotecus SCUDD., *Psyche*, vi, 270, 319 (1892), *Mex., Col., Wyo., N. Mex., Iowa, Cal.* — BALL., [zanot-] *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa.* — SCUDD., Cat. Orth. U. S., 35 (1900), *Iowa to N. Mex. and Cal.*

Hippopedon

saltator SAUSS., *Rev. mag. zool.*, 1861, 323 (1861), *Mex.*; Orth. nova amer., ii, 25 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 748 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 218 (1873), *Id.* — SAUSS., *Prodr. Oedip.*, 80-81 (1884), *Id.*

Hisychius

festae GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3-4 (1897), *Darien*.

Holocompsa

azteca SAUSS., Orth. Amér. moy., 151 (1864), *Vera Cruz*. — BRUNN., Blatt., 347 (1865), *Mex.* — WALK., Cat. Blatt. Brit. mus., 61 (1868), *Oajaca*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 100, pl. 2, fig. 49 (1870), *Mex.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 109 (1894), *Id.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 49 (1900), *Costa Rica*.

See also *Corydia* (*Holocompsa*) *azteca*.

binotata SAUSS.-ZEHTN., Biol. centr. amer., Orth., 110, pl. 3, fig. 32 (1894), *Guat.*

collaris SAUSS., Orth. Amér. moy., 151 (1864), *Antill., Ile Maurice*. — BRUNN., Blatt., 347, pl. 10, fig. 50 (1865), *St. Thom., Brazil, Cuba*. — WALK., Cat. Blatt. Brit. mus., 60 (1868), *W. I., Mauritius*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 100 (1870), *Cosmop., entre les tropiques, Mex.* — BOL., Mém. soc. zool. France, i, 130 (1888), *Cuba, Mex., Brazil*; Orth. Cuba, 15 (1888), *Id.* — GUNDL., Ent. cub., ii, 313 (1890), *Cuba*. — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 205, pl. 15, fig. 6 (1892), *St. Vinc., Cuba, Brazil*. — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 109, pl. 3, fig. 34 (1894), *Mex., Antill., Mascarene Is.*

See also *Blatta* (*Holocompsa*) *collaris* and *Corydia* (*Holocompsa*) *collaris*.

cyanea SAUSS., Orth. Amér. moy., 150 (1864), *Ile Maurice, Cuba*. — BRUNN., Blatt., 346 (1865), *St. Thom.* — WALK., Cat. Blatt. Brit. mus., 60 (1868), *St. Thom., Cuba, Mauritius*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 100 (1870), *Antill.* — BOL., Mém. soc. zool. France, i, 130 (1888), *Cuba*; Orth. Cuba, 15 (1888), *Id.* — GUNDL., Ent. cub., ii, 313 (1890), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 109 (1894), *Antill., Maurit., Java*.

See also *Corydia* (*Holocompsa*) *cyanea*.

tolteca SAUSS.-ZEHTN., Biol. centr. amer., Orth., 109, pl. 3, fig. 35 (1894), *Guat.*

zapoteca SAUSS.-ZEHTN., Biol. centr. amer., Orth., 109, pl. 3, fig. 33 (1894), *Guat.*

Hololampra

See *Blatta* (*Hololampra*).

Homalopteryx

laminata BRUNN., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 204, pl. 15, fig. 4 (1892), *St. Vinc.*

Homoeogamia

apacha SAUSS.-ZEHTN., Biol. centr. amer., Orth., 107-108, pl. 3, fig. 20 (1894), *Chihuahua*.

azteca SAUSS.-ZEHTN., Biol. centr. amer., Orth., 106-107, pl. 5, figs. 4, 5 (1894), *Mex.*

bolliana SAUSS.-ZEHTN., Biol. centr. amer., Orth., 107, pl. 5, fig. 3 (1894), *N. Mex., Tex.* — SCUDD., Cat. Orth. U. S., 11 (1900), *Id.*

mexicana BRUNN., Blatt., 360, pl. 11, fig. 53 (1865), *Oaxaca*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 108-109 (1870), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 3 (1871), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 106 (1894), *Id.* — REHN, Ent. stud., i, 13 (1900) *Mex.*; Trans. amer. ent. soc., xxvii, 85 (1900), *Id.*

See also Polyphaga (Homoeogamia) mexicana.

Horesidotes

cinereus SCUDD., Proc. amer. acad. arts sc., xxxv, 49-50 (1899), *Calif.*; Cat. Orth. U. S., 26 (1900), *Id.*

Hormetica

advena SCUDD., Cat. Orth. U. S., 11, 94 (1900), *Mass.*; Psyche, ix, 100 (1900), *N. E.*

Hormilia

abbreviata BRUNN., Mon. Phaneropt., 233 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 318, 320 (1897), *Id.*

bolivari GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 13-15 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 318, 320 (1897), *Id.*

elegans SCUDD., Cat. Orth. U. S., 67, 95, pl. 3, fig. 1 (1900), *N. Mex.* — COCK., Amer. nat., xxxiv, 290 (1900), *N. Mex., Ariz.*

fasciata BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 65 (1895), *Nicar.*

gracillima BRUNN., Mon. Phaneropt., 231, pl. 5, fig. 70 (1878), *Guat., Cordova*. — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 65 (1895), *Nicar.* — SAUSS.-PICT., Biol. centr. amer., Orth., 318 (1897), *Mex., Guat., Pan.*

intermedia BRUNN., Mon. Phaneropt., 232 (1878), *Cordova, Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 318, 319 (1897), *Mex., Guat., Nicar., Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica*.

latipennis BRUNN., Verh. zool.-bot. ges. Wien, 1891, 117-118 (1891), *Chiriqui*. — SAUSS.-PICT., Biol. centr. amer., Orth., 318, 320 (1897), *Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 50-51 (1900), *Costa Rica*.

phthisica SAUSS.-PICT., Biol. centr. amer., Orth., 318, 319 (1897), *Yucatan*.

prasina SAUSS.-PICT., Biol. centr. amer., Orth., 318, 319-320, pl. 15, fig. 14 (1897), *Mex.*

tolteca STÅL, Rec. Orth., ii, 28 (1874), *Mex.* — BRUNN., Mon. Phaneropt., 232 (1878), *Id.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 65 (1895), *Nicar.* — SAUSS.-PICT., Biol. centr. amer., Orth., 318, 319, pl. 15, figs. 10+13 (1897), *Mex., Guat., Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

Hymenotes

compressa STÅL, Rec. Orth., i, 153 (1873), *Jam.*

rhombea WESTW., Proc. zool. soc. Lond., v, 130 (1837), *Jam.* — GUÉR., Sagra, Hist. nat. Cuba, 358, pl. 12, fig. 11 (1857), *Id.*

See also Acridium (Hymenotes) rhombeum.

sagrai WESTW., Mag. nat. hist., n. s., iii, 493, fig. 67⁴ (1839), *Cuba.* — GUÉR., Sagra, Hist. nat. Cuba, 357, 358, pl. 12, fig. 10 (1857), *Id.*

Hyperbaenus

festae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 31-32 (1896), *Darien.* SAUSS.-PICT., Biol. centr. amer., Orth., 308-309 (1897), *Id.*

Hyperphrona

irregularis BRUNN., Verh. zool.-bot. ges. Wien, 1891, 468 (1891), *Chiriqui.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 4-5, (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 349, 351 (1898), *Id.*

trimaculata SAUSS.-PICT., Biol. centr. amer., Orth., 349, 350-351, pl. 16, figs. 20-24 (1898), *Pan., Ecuador.*

Hypnorna (Calhypnorna)

amoena SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 88, pl. 3, figs. 14-15 (1893), *Pan.*

pulchella SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 87, pl. 3, fig. 16 (1893), *Pan.*

Hypochlora

acutipennis BRUNN., Rev. syst. Orth., 145 (1893).

alba BRUNN., Rev. syst. Orth., 145 (1893). — SCUDD., Rep. ent. soc. Ont., xxvi, 62 (1896), *Manit., etc.*; Proc. amer. acad. arts sc., xxii, 204 (1897), *East. margin Rocky Mts.*; Rev. Mel., 47-48, pl. 4, fig. 2 (1897), *N. Dak., Nebr., Kans., Col.; also Manit., Minn., Mont., Wyo., Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 49 (1900), *Manit. to Kans.*

speciosa BRUNN., Rev. syst. Orth., 145 (1893).

Ichnoptera

pennsylvanica. See *Ichnoptera pennsylvanica*.

unicolor. See *Ichnoptera unicolor*.

Ichthydion

mexicanum SAUSS., Rev. mag. zool., 1859, 390 (1859), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iii, 518 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 198 (1873), *Id.* — BOL., Mon. Parg., 94-95, pl. 2, figs. 13, 13a (1884), *Id.*

Idiarthron

atrispinum BRUNN., Mon. Pseudoph., 173, pl. 7, figs. 77ab (1895), *Costa Rica, Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 424, 425, 426, pl. 20, figs. 20, 21 (1898), *Id.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Costa Rica*.

furcatum SAUSS.-PICT., Biol. centr. amer., Orth., 424, 425-426, pl. 20, figs. 16-19 (1898), *Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Id.*

incurvum BRUNN., Mon. Pseudoph., 172-173, pl. 7, fig. 77c (1895), *Chiriqui, Amaz., Venez.* — SAUSS.-PICT., Biol. centr. amer., Orth., 424, 425, pl. 20, figs. 13-15 (1898), *Id.*

subnotatum BRUNN., Mon. Pseudoph., 173 (1895), *Bogota, Costa Rica*. — SAUSS.-PICT., Biol. centr. amer., Orth., 424, 425, 426 (1898), *Id.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Costa Rica*.

subquadratum SAUSS.-PICT., Biol. centr. amer., Orth., 424, 425, 426, pl. 20, figs. 22, 23 (1898), *Guat., Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Costa Rica*.

Idionotus

brunneus SCUDD., Cat. Orth. U. S., 79, 98, pl. 2, fig. 2 (1900), *Cala*.

Idiostatus

obilineatus SCUDD., Can. ent., xxvi, 181, 183 (1894), *Cala., Or.*; Cat. Orth. U. S., 78 (1900), *Ariz.?, Cala*.

californicus PICT., Mém. soc. phys. hist. nat. Gen., xxx, pt. 6, 64-65, pl. 3, figs. 35, 35ab (1888), *Cala*.

hermani SCUDD., Can. ent., xxvi, 181, 183 (1894), *Cala., Or.*; Cat. Orth. U. S., 78 (1900), *Yellowstone Park, Cala*.

Insara

strigulata WALK., Cat. Derm. salt. Brit. mus., ii, 268 (1869), *Oajaca, Orizaba*.

Iris

antillarum SAUSS., Mitth. schweiz. ent. ges., iii, 221 (1860), *Cuba*; Mant. amér., 105-107 (1871), *Antill.*; Miss. scient. Mex., Rech. zool., vi, 261-263, pl. 6, fig. 16 (1872), *Antill.*, *St. Thom.*, *St. Dom.*—BORRE, Ann. soc. ent. Belg., xxvii, 71 (1883), *Antill.*, *Rio*; Liste Mant., 14 (1883), *Id.*

strigosa BORRE, Ann. soc. ent. Belg., xxvii, 71 (1883), *Surinam, Jam.*; Liste Mant., 14 (1883), *Id.*

Ischnomela

gracilis BRUNN., Mon. Pseudoph., 218, pl. 8, fig. 94 (1895), *New Gren., Pan.*—GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 18-19 (1896), *Pan.*—SAUSS.-PICT., Biol. centr. amér., Orth., 438 (1898), *Id.*

Ischnoptera

annulicornis SAUSS.-ZEHNTN., Biol. centr. amér., Orth., 40 (1893), *Guat.*
azteca SAUSS., Rev. mag. zool., 1862, 170 (1862), *Mex.*; Orth. nova amér., iii, 9 (1862), *Id.*—BRUNN., Blatt., 141 (1865), *Id.*—WALK., Cat. Blatt. Brit. mus., 113 (1868), *Orizaba.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 65-66 (1870), *Mex.*—SAUSS.-ZEHNTN., Biol. centr. amér., Orth., 39 (1893), *Id.*—BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

bicolor SAUSS., Orth. Amér. moy., 90 (1864), *St. Dom.*—BRUNN., Blatt., 139 (1865), *Id.*—WALK., Cat. Blatt. Brit. mus., 114 (1868), *Id.*

bivittata THOM., Proc. Dav. acad. nat. sc., i, 250, pl. 36, figs. 1, 2 (1876), *Cala.*

blattoides SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 251 (1869), *Ind. or.*, *Antill.*; Mém. orth., i, 71 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 54 pl. 2, fig. 31 (1870), *Antill.*, *Cuba*, *Amér. trop.*, *Afr.*, *Ind. or.*—BOL., Mém. soc. zool. France, i, 124 (1888), *Cuba*; Orth. Cuba, 9 (1888), *Id.*—GUNDL., Ent. cub., ii, 303-304 (1890), *Cuba*, *Porto Rico.*—SAUSS.-ZEHNTN., Biol. centr. amér., Orth., 41 (1893), *Mex.*, *Brazil*, *Cuba*, *E. Ind.*

bolliana SAUSS.-ZEHNTN., Biol. centr. amér. Orth., 40 (1893), *N. Mex., Tex.*—SCUDD., Cat. Orth. U. S., 7 (1900), *Id.*

borealis BRUNN., Blatt., 133 (1865), *N. A.*—OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.*—BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.*—LUGG., Orth. Minn., 97 (1898), *Minn.*—SCUDD., Cat. Orth. U. S., 7 (1900), *Nebr. to Minn.*

buprestoides BRUNN., Blatt., 140 (1865), *Cuba.*

capitata BRUNN., Blatt., 140 (1865), *Cuba.*

castanea SAUSS.-ZEHNTN., Biol. centr. amér., Orth., 38 (1893), *Mex., Brazil.*

conformis SAUSS.-ZEHNTN., Biol. centr. amér., Orth., 37, pl. 3, fig. 25 (1893), *Nicar.*

consobrina SAUSS., Orth. Amér. moy., 88 (1864), *Cordova.*—WALK., Cat.

Blatt. Brit. mus., 113 (1868), *Mex.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 59-60, pl. 2, fig. 34 (1870), *Mex., south. U. S.* — BOL., Anal. soc. esp. hist. nat., x, 466-467 (1881), *Peru, Ecuad., Mex., U. S.*; Not. ent., 20-21 (1881), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 37, pl. 3, fig. 24 (1893), *Tex., Mex., Guat., Nicar.* — SCUDD., Cat. Orth. U. S., 7 (1900), *Tex., La.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

couloniana SAUSS., Rev. mag. zool., 1862, 169 (1862), *Amer. bor.*; Orth. nova amer., iii, 8 (1862), *Id.*; Orth. Amér. moy., 83 (1864), *U. S.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Id.*; Cat. Derm. salt. Brit. mus., i, 145 (1869), *N. A.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 63 (1870), *U. S., Mex.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 40 (1893), *Tex., Mex.* — SCUDD., Cat. Orth. U. S., 7 (1900), *Tex.*

divisa SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 40 (1893), *Geo., Mex.* — SCUDD., Cat. Orth. U. S., 7 (1900), *Geo.*

elongata SAUSS., Orth. Amér. moy., 89 (1864), *Antill., St. Dom.* — WALK., Cat. Blatt. Brit. mus., 114 (1868), *St. Dom.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 66 (1870), *Antill.*

excisa BOL., Mém. soc. zool. France, i, 124 (1888), *Cuba*; Orth. Cuba, 9 (1888), *Id.* — GUNDL., Ent. cub., ii, 303 (1890), *Id.*

hyalina SCUDD., Trans. amer. ent. soc., ii, 307 (1869), *Del.*; Cat. Orth. U. S., 7 (1900), *Id.*

ignobilis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 37-38 (1893), *Guat., Argent.*

inaequalis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 36, pl. 6, figs. 14-17 (1893), *Tex., Mex.* — SCUDD., Cat. Orth. U. S., 7 (1900), *Tex.*

inca SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 38, pl. 4, fig. 23 (1893), *Guat., Peru.*

lata BRUNN., Blatt., 135 (1865), *N. A., St. Dom.*

marginata BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

mexicana SAUSS., Rev. mag. zool., 1862, 170 (1862), *Mex.*; Orth. nova amer., iii, 9 (1862), *Id.*; Orth. Amér. moy., 86 (1864), *Id.* — BRUNN., Blatt., 141 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 64, pl. 2, fig. 36 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 37 (1893), *Id.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

nahua SAUSS., Rev. mag. zool., (2), xx, 356 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 56-58, pl. 2, fig. 33 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 38 (1893), *Mex., Guat.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

nana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 39 (1893), *Nicar.*

nigricollis WALK., Cat. Blatt. Brit. mus., 118 (1868), *Geo.* — SCUDD., Cat. Orth. U. S., 7 (1900), *Id.*

nortoniana SAUSS., Rev. mag. zool., 1862, 169 (1862), *Amer. bor.*; Orth. nova amer., iii, 8 (1862), *Id.*

occidentalis SAUSS., Orth., Amér. moy., 87-88 (1864), *N. A., La.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Id.* — BRUNN., Proc. zool. soc. Lond., 1893, 603 (1893), *Grenada, St. Dom., Mex., Peru.*

parvula SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 102-103 (1872), *Cuba*; Mém. orth., ii, 102-103 (1872), *Id.* — BOL., Mém. soc. zool. France, i, 125 (1888), *Id.*; Orth. Cuba, 10 (1888), *Id.* — GUNDEL., Ent. cub., ii, 304 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 39 (1893), *Nicar., Cuba, Brazil.*

pennsylvanica SAUSS., Orth. Amér. moy., 84-85 (1864), *U.S.* — BRUNN., Blatt., 135 (1865), *Colombie, N. A., Ind., Md.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Can., N. A.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 63-64, pl. 2, fig. 35 (1870), *N. A.* — WALK., Can. ent., iv, 30 (1872), *Can.* — THOM., Proc. Dav. acad. nat. sc., i, 249 (1876), *Iowa.* — BRUN., Bull. Washb. coll., i, 125 (1885), *Kans.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 403 (1887), *Can.*; Can. Orth., 15-16 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 72 (1888), *Id.* — SMITH, Cat. ins. N. J., 406 (1890), *N. J.* — MCNEILL, Psyche, vi, 78 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 158-159 (1894), *Ind.* — BEUT., [Ichn.] Bull. amer. mus. nat. hist., vi, 259 (1894), *N. Y.* — BLATCHL., Orth. Ind., 7, 20 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 235 (1897), *Iowa.* — LUGG., Orth. Minn., 96, fig. 58 (1898), *Minn.* — BLATCHL., Gleanings, 202-204, fig. 43 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 7 (1900), *North. U. S. and Can. e. of Rocky Mts.*; Psyche, ix, 99-100 (1900), *N. E.* — SMITH Ins. N. J., 150 (1900), *N. J.* — HENSH., Psyche, ix, 119 (1900), *R. I.*

punctulata SAUSS., Orth. Amér. moy., 91 (1864), *St. Dom.* — WALK., Cat. Blatt. Brit. mus., 115 (1868), *Id.*

rufa BRUNN., Blatt., 131, pl. 3, fig. 13 (1865), *Porto Rico, Brazil.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895), *Nicar.*

rufescens SAUSS., Orth. Amér. moy., 91 (1864), *St. Dom.* — BRUNN., Blatt., 139 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 115 (1868), *Id.*

terminalis WALK., Cat. Blatt. Brit. mus., 122 (1868), *Jam.*

tolteca SAUSS., Rev. mag. zool., (2), xx, 356 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 64-65, pl. 2, fig. 37 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 39 (1893), *Mex., Guat.*

translucida SAUSS., Orth. Amér. moy., 85 (1864), *N. A.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 66 (1870), *Id.*

tristani BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 43 (1900), *Costa Rica.*

uhleri. See Ischnoptera uhleriana.

uhleriana SAUSS., Rev. mag. zool., 1862, 169 (1862), *Penn.*; Orth. nova amer., iii, 8 (1862), *Id.*; Orth. Amér. moy., 82 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 113 (1868), *Id.*; Cat. Derm. salt. Brit. mus., i, 145 (1869). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 55 (1870), *N. A.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 36-37, pl. 3, figs. 21-23 [uhleri on plate] (1893),

Geo., Tex., N. Mex. — SCUDD., Cat. Orth. U. S., 7 (1900), *Geo. to N. Mex.*; Psyche, ix, 100 (1900), *N. E.* — SMITH, Ins. N. J., 150 (1900), *N. J.*

undulifera WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 31-32 (1871), *Nicar.*

unicolor BRUNN., Blatt., 134 (1865), *Mass., N. A.* — SAUSS., Miss. scient. Méc., Rech. zool., vi, 56 (1870), *N. A.* — THOM., Proc. Dav. acad. nat. sc., i, 59 (1876), *Ill.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 92 (1877), *Fla.*; Ent. notes, vi, 33 (1878), *Id.* — BOL., Artr. viaje Pac., Neur. y Ort., 14 (1884), *N. A., S. A.* — SMITH, Cat. ins. N. J., 406 (1890), *N. J.* — MCNEILL, Psyche, vi, 78 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 160 (1894), *Ind.* — BEUT., [Ichn-] Bull. amer. mus. nat. hist., vi, 259 (1894), *N. Y.* — BLATCHL., Orth. Ind., 20 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 235 (1897), *Iowa.* — LUGG., Orth. Minn., 97, fig. 59 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 8 (1900), *U. S. e. of Gr. Plains.* — SMITH, Ins. N. J., 150 (1900), *N. J.*

vacillans WALK., Cat. Blatt. Brit. mus., 114-115 (1868), *St. Dom.*

Ischyra

flaviceps BRUNN., Mon. Phaneropt., 345, pl. 7, fig. 99c (1878), *Jam.*

frutetorum SAUSS.-PICT., Biol. centr. amer., Orth., 365 (1898), *Guat.*

Jamaicana

unicolor BRUNN., Mon. Pseudoph., 147 (1895), *Jam.*

vittata BRUNN., Mon. Pseudoph., 147, pl. 6, fig. 64 (1895), *Jam.*

Kakkerlac

americana SERV., Ann. sc. nat., xx, 39 (1831), *Afr., Amer., Eur.*; Orth., 8 (1839), *Amér. mér., etc.* — MACQ., Cat. mus. Lille, 324 (1850), *Amér. mér.*
See also Blatta (Kakkerlac) americana.

fuliginosa SERV., Orth., 70 (1839), *N. A.*

orientalis SELLS, Trans. ent. soc. Lond., iii, 104 (1842), *Jam.*

See also Blatta (Kakkerlac) orientalis.

Labia

annulata SCUDD., Bull. U. S. geol. surv. terr., ii, 259 (1876), *W. I.*; Proc. Bost. soc. nat. hist., xviii, 318 (1876), *Id.*; Ent. notes, v, 58 (1876), *Id.* — LOCK., Journ. inst. Jam., i, 258 (1893).

arcuata BORM., Anal. soc. esp. hist. nat., ix, 509 (1880), *Brazil, St. Barth.* — BOL., Mém. soc. zool. France, i, 119 (1888), *Brazil, Cuba*; Orth. Cuba, 4 (1888), *Id.* — GUNDL., Ent. cub., ii, 294-295 (1890), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 200-201 (1892), *St. Vinc.* — BRUNN., Ibid., 1893, 601 (1893), *Grenada, St. Vinc.* — BORM., Biol. centr. amer., Orth., 6, pl. 1,

figs. 18-20 (1893), *Mex., Guat., Nicar., Brazil*; Schultze, Tierreich, xi, 69 (1900), *Mex., Guat., Nicar., Antill., French Guiana, Brazil*.

bilineata BORM., Biol. centr. amer., Orth., 6, pl. 1, figs. 15, 16 (1893), *Pan., Ecuador*; Schultze, Tierreich, xi, 68 (1900), *Id., Brazil*.

brunnea SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 258 (1870), *Cuba*; Proc. Bost. soc. nat. hist., xviii, 264, 319 (1876), *Id.*; Ent. notes, v, 19, 59 (1876), *Id.*; Cent. Orth., 43 (1879), *Id.*—BORM., Compt. rend. soc. ent. Belg., 1880, 72 (1880), *St. Barth.*; Etud. Forf. Exot., 5 (1880), *Id.*—BOL., Mém. soc. zool. France, i, 119 (1888), *Cuba*; Orth. Cuba, 4 (1888), *Id.*—GUNDL., Ent. cub., ii, 295-296 (1890), *Id.*—BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 201 (1892), *St. Vinc.*—BRUNN., Ibid., 1893, 601 (1893), *Grenada, St. Vinc.*—SCUDD., Proc. Bost. soc. nat. hist., xxvii, 203, 217 (1896).—BORM., Schultze, Tierreich, xi, 70 (1900), *Cuba*.

burgessi SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 258 (1876), *Fla.*; Psyche, i, 178 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 266-267, 319 (1876), *Fla.*; Ent. notes, v, 21-22, 59 (1876), *Id.*; Psyche, ii, 154 (1878), *Id.*—BOL., Mém. soc. zool. France, i, 119 (1888), *Cuba*; Orth. Cuba, 4 (1888), *Id.*—GUNDL., Ent. cub., ii, 296-297 (1890), *Cuba, Fla.*—SCUDD., Cat. Orth. U. S., 6 (1900), *Fla.*—HENSH., Psyche, ix, 119 (1900), *Mass.*—BORM., Schultze, Tierreich, xi, 64-65, figs. 27a-b (1900), *Fla.*

chalybea BORM., Biol. centr. amer., Orth., 6, pl. 1, fig. 17 (1893), *Costa Rica, Pan., Venez.*; Schultze, Tierreich, xi, 70-71 (1900), *Id.*

championi BORM., Biol. centr. amer., Orth., 7, pl. 1, fig. 21 (1893), *Pan.*; Schultze, Tierreich, xi, 67 (1900), *Id.*

cheliduroides BORM., Ann. soc. ent. Belg., xxvii, 74-75 (1883), *Mex., Peru*; Etud. Forf. nouv., 20-21 (1883), *Id.*; Schultze, Tierreich, xi, 72 (1900), *Id.*

gravidula BOL., Mém. soc. zool. France, i, 120 (1888), *Zanzibar, Cuba*; Orth. Cuba, 5 (1888), *Id.*—GUNDL., Ent. cub., ii, 297 (1890), *Cuba*.

guttata SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 258 (1876), *Tex.*; Psyche, i, 178 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 265-266, 319 (1876), *Tex.*; Ent. notes, v, 20-21, 59 (1876), *Id.*; Proc. Bost. soc. nat. hist., xix, 94 (1877), *Fla.*; Ent. notes, vi, 35 (1878), *Id.*—BORM., Compt. rend. soc. ent. Belg., 1880, 71 (1880), *Mex., Tex.*; Etud. Forf. exot., 4 (1880), *Id.*—SCUDD., Can. ent., xix, 69 (1887), *Tex.*; Cat. Orth. U. S., 6 (1900), *Tex. to Fla.*

melancholica SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 258 (1876), *Tex.*; Psyche, i, 178 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 267-268, 320 (1876), *Tex.*; Ent. notes, v, 22-23, 60 (1876), *Id.*; Can. ent., xix, 69 (1887), *Id.*; Cat. Orth. U. S., 6 (1900), *Id.*—BORM., Schultze, Tierreich, xi, 65 (1900), *Id.*

mexicana BORM., Ann. soc. ent. Belg., xxvii, 73-74, pl. 2, figs. 11, 11ab (1883), *Mex.*; Etud. Forf. nouv., 19-20 (1883), *Id.*; Schultze, Tierreich, xi, 67 (1900), *Id.*

minor DOUBL., Ent. mag., v, 279 (1838), *N. Y.*—DOHRN, Stett. ent. zeit., xxv, 426 (1864), *Eur., Siberia, Amer., U. S.*—GLOV., Ill. N. A. ent., Orth.,

pl. 10, fig. 3 (1872). — SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 258 (1876), *N. E., Md., Va., Tex., Eur., Siberia, Madeira*; Psyche, i, 178 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 320 (1876), *Eur., N. A.*; Ent. notes, v, 60 (1876), *Id.* — GIR., *Traité ent.*, ii, 18 (1879), *Eur., Siberia, N. A.* — SCUDD., *Can. ent.*, xix, 69 (1887), *Tex.* — CAULF., *Can. rec. sc.*, ii, 403 (1887), *Quebec, Ottawa*; *Can. Orth.*, 16 (1887), *Id.*; *Rep. ent. soc. Ont.*, xviii, 72 (1888), *Can.* — COMST., *Intr. ent.*, 91 (1888). — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 137-138 (1888), *N. E.*; *Orth. N. E.*, 53-54 (1888), *Id.* — DAV., *Amer. nat.*, xxiii, 1035 (1889), *Staten Is.*; *Proc. nat. sc. ass. Stat. Is.*, May 9, 1889 (1889), *Id.* — SMITH, *Cat. ins. N. J.*, 406 (1890), *N. J.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1891), *Iowa.* — DAV., *Proc. nat. sc. ass. Stat. Is.*, Feb. 14, 1891 (1891), *Staten Is.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 21 (1893), *Nebr.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 257 (1894), *N. Y.* — BALL, *Proc. Iowa acad. sc.*, iv, 235 (1897), *Iowa.* — KNAB, *Ent. news*, viii, 236 (1897), *Mass.* — LUGG., *Orth. Minn.*, 86-87, figs. 49, 50 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 6-7 (1900), *U. S. and Can. e. of Rocky Mts.* — BURR, *Ann. soc. ent. Belg.*, xlv, 50 (1900), *Afr., Eur., U. S.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 41 (1900), *N. H.* — SCUDD., *Psyche*, ix, 99 (1900), *N. E.* — SMITH, *Ins. N. J.*, 147 (1900), *N. J.* — BORM., *Schultze, Tierreich*, xi, 66-67 (1900), *Eur., Asia, Afr., N. A.*

minuta SCUDD., *Bost. journ. nat. hist.*, vii, 415-416 (1862), *Mass., Va.* — SMITH, *Proc. Portl. soc. nat. hist.*, i, 144 (1868), *Me.* — PACK., *Guide ins.*, 577 (1869), *Atl. st.* — SMITH, *Rep. Conn. bd. agric.*, 1872, 378, 383 (1872), *Conn.* — GLOV., *Ill. N. A. ent., Orth.*, pl. 1, fig. 10 (1872). — SCUDD., *Hitchc., Rep. geol. N. H.*, i, 380 (1874), *N. H., etc.* — PROV., *Nat. can.*, viii, 18 (1876), *Quebec*; *Faune ent. Can.*, ii, 7 (1877), *Id.* — BURNH., *Proc. Manch. inst. arts sc.*, i, 47 (1900), *N. H.*

pulchella BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 201 (1892), *St. Vinc.* — BORM., *Schultze, Tierreich*, xi, 65 (1900), *Tex.*

rotundata SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 259 (1876), *Mex.*; *Proc. Bost. soc. nat. hist.*, xviii, 263-264, 321 (1876), *Id.*; *Ent. notes*, v, 18-19, 61 (1876), *Id.*; *Cent. Orth.*, 42-43 (1879), *Id.* — BORM., *Ann. soc. ent. Belg.*, xxvii, 75-76, pl. 3, figs. 13, 13a-c (1883), *Id.*; *Etud. Forf. nouv.*, 21-22, pl. 3, figs. 13, 13a-c (1883), *Id.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 201 (1892), *St. Vinc.* — BORM., *Biol. centr. amer., Orth.*, 7 (1893), *Mex., Guat.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 203, 217 (1896). — BORM., *Schultze, Tierreich*, xi, 71 (1900), *Mex.*

unidentata SCUDD., Bull. U. S. geol. surv. terr., ii, 257, 259 (1876), *St. Dom.*; *Proc. Bost. soc. nat. hist.*, xviii, 321 (1876), *Id.*; *Ent. notes*, v, 61 (1876), *Id.* — BOL., *Mém. soc. zool. France*, i, 119 (1888), *Cuba*; *Orth. Cuba*, 4 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 295 (1890), *Cuba, St. Dom.* — BORM., *Schultze, Tierreich*, xi, 72 (1900), *Haiti.*

Labidura

advena SCUDD., Bull. U. S. geol. surv. terr., ii, 250 (1876), *Jam.*; *Proc. Bost. soc. nat. hist.*, xviii, 322 (1876), *Id.*; *Ent. notes*, v, 62 (1876), *Id.*

americana DOHRN, Stett. ent. zeit., xxiv, 319 (1863), *Hayti, Cuba, Costa Rica, Colombia, Venez.*

erythrocephala GIR., *Traité ent.*, ii, 17 (1879), *Ind. or., Philipp., Mex., Argent.*

See also Labidura riparia erythrocephala.

gagatina DOHRN, Stett. ent. zeit., xxiv, 320 (1863), *Porto Rico.*

gigantea. *See* Forficula (Labidura) gigantea.

riparia DOHRN, Stett. ent. zeit., xxiv, 313 (1863), *Eur., Madeira, Afr., Asia, Austral., S. A., Cuba, Mex.* — SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 250 (1876), *Tex., Fla., Cuba, Mex., nearly whole world*; *Psyche*, i, 177 (1876), *U. S.*; *Proc. Bost. soc. nat. hist.*, xviii, 325-327 (1876), *Old world*; *nearly all west. hemisphere*; *Ent. notes*, v, 63-65 (1876), *Id.*; *Amer. nat.*, x, 527 (1876), *Eur., Amer.*; JONES, *Guide Berm.*, 144 (1876), *Bermuda*; *Proc. Bost. soc. nat. hist.*, xix, 94 (1877), *Fla.*; *Ent. notes*, vi, 35 (1878), *Id.*; *Psyche*, ii, 154 (1878), *Id.*; *Can. ent.*, xix, 67 (1887), *Tex.* — BOL., *Mém. soc. zool. France*, i, 118 (1888), *Cuba*; *Orth. Cuba*, 3 (1888), *Id.* — UHL., *Heilpr.*, *Berm. Isl.*, 156 (1889), *Bermuda*. — KIRB., *Journ. Linn. soc. Lond.*, xxiii, 510 (1890), *Cosmop.* — GUNDL., *Ent. cub.*, ii, 292-293 (1890), *Cuba, Porto Rico.* — SCUDD., *Cat. Orth. U. S.*, 4-5 (1900), *Gulf Coast.* — BORM., *Schultze, Tierreich*, xi, 33-35 (1900), *Alle weltteilen.*

riparia erythrocephala BORM., *Schultze, Tierreich*, xi, 35 (1900), *Spain, Italy, W. I., Mex., S. A., E. I., Philippines, Celebes, New Guinea, Australia, S. Afr.*

Lactista

gibbosus SAUSS., *Prodr. Oedip.*, 143 (1884), *Cala.* — COQ., *Ins. life*, i, 228 (1889), *Id.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 77 (1893); *Cat. Orth. U. S.*, 38 (1900), *Id.*

inermus REHN, *Trans. amer. ent. soc.*, xxvii, 96-97 (1900), *Mex.*

pellepidus SAUSS., *Prodr. Oedip.*, 144 (1884), *Yucatan.*

punctatus SAUSS., *Prodr. Oedip.*, 143 (1884), *Mex., Amer. centr.*

Lamponius

guerini STÅL, *Rec. Orth.*, iii, 74 (1875), *Gaudeloupe.*

Larandus

marmoratus REDT., *Brunn.-Redt.*, *Proc. zool. soc. Lond.*, 1892, 218-219, pl. 17, fig. 17 (1892), *St. Vinc.*

Latindia

castanea BRUNN., *Proc. zool. soc. Lond.*, 1893, 604 (1893), *Grenada.*

cucullata SAUSS.-ZEHNEN., *Biol. centr. amer., Orth.*, 111, pl. 5, fig. 9 (1894), *Guat.*

delicatula SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 112, pl. 5, fig. 10 (1894), *Guat.*

dohrniana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 111, pl. 5, fig. 7 (1894), *Guat.*

mexicana SAUSS., Rev. mag. zool., (2), xx, 100 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 110-111, pl. 2, figs. 53, 53abe (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 9 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 113 (1894), *Id.*

tolteca SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 113 (1894), *Mex.*

Latindia (Paralatindia)

azteca SAUSS., Miss. scient. Mex., Rech. zool., vi, 112-113, pl. 2, figs. 54, 54a, 55, 55a (1870), *Mex.*

Laurepa

valida WALK., Cat. Derm. salt. Brit. mus., i, 97 (1869), *Jam.* — THOM., [-epe] Amer. ent., ii, 206 (1870), *Id.*

Lebussa

tenuicornis WALK., Cat. Derm. salt. Brit. mus., i, 75 (1869), *St. Dom.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

Leprus

corpulentus SAUSS., Prodr. Oedip., 95, 96 (1884), *Mex.*; Add. prodr. Oedip., 29 (1888), *Tex., Mex.* — SCUDD., Cat. Orth. U. S., 36 (1900), *Tex.*

elephas WALK., Cat. Derm. salt. Brit. mus., iv, 795 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 219 (1873), *Id.* — SAUSS., Prodr. Oedip., 95-96 (1884), *Id.* — SCUDD., Psyche, ix, 75 (1900), *Ariz., Tex., Mex.*

See also Oedipoda (Leprus) elephas.

glaucipennis SCUDD., Psyche, ix, 76 (1900), *Cala., Mex.*

ingens SCUDD., Proc. Bost. soc. nat. hist., xix, 32-33 (1877), *Cala.*; Ent. notes, vi, 10-11 (1878), *Id.*; Cent. Orth., 49-50 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.* — SCUDD., Psyche, vi, 265 (1891).

intermedius SAUSS., Prodr. Oedip., 95, 96 (1884), *Cala.* — SCUDD., Cat. Orth. U. S., 36 (1900), *Id.*; Psyche, ix, 75 (1900), *Brit. Col.*

wheeleri SAUSS., Add. prodr. Oedip., 169 (1888), *N. Mex.* — BRUN., Science, xxi, 133 (1893), *Col., Utah.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — SCUDD., Cat. Orth. U. S., 36 (1900), *Col., Utah, N. Mex.* — COCK., Nature, lxii, 31 (1900), *N. Mex.* — SCUDD., Psyche, ix, 75-76 (1900), *Nev., Utah, Col., N. Mex.*

Leptotettix

gigliotosi GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 23-25 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 439-440 (1898), *Id.*

nigronotatus BRUNN., Mon. Pseudoph., 224 (1895), *Guat., Bogota*. — SAUSS.-PICT., Biol. centr. amer., Orth., 439 (1898), *Id.*

Leptysma

filiformis BOL., Mém. soc. zool. France, i, 146 (1888), *Cuba*; Orth. *Cuba*, 31 (1888), *Id.* — GUNDEL., Ent. cub., ii, 345-346 (1890), *Id.*

marginicollis STÅL., Rec. Orth., i, 86 (1873), *S. C.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 88 (1877), *Fla.*; Ent. notes, vi, 29 (1878), *Id.*; Psyche, ii, 154 (1878), *Id.* — BRUN., Rep. U. S. ent. compn., iii, 55 (1883), *Id.* — COMST., Intr. ent., 111, fig. 102 (1888). — BLATCHL., Can. ent., xxiv, 28-30 (1892), *Fla., N. C., Ind.*; Proc. Ind. acad. sc., 1892, 118 (1894), *Ind.*; Can. ent., xxvi, 221 (1894), *Id.* — COMST., Man. study ins., 111, fig. 123 (1895). — BLATCHL., Orth. Ind., 21 (1897), *Ind.*; Can. ent., xxx, 64 (1898), *Id.*; Gleanings, 241-242, fig. 68 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 47 (1900), *South. U. S. e. of Miss.*; Psyche, ix, 116 (1900), *South. U. S., Atl. to Pac.*

mexicana RIL., N. A. fauna, vii, 252 (1893), *Cala.*

obscura BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 64 (1895), *Nicar.*

Leucophaea

maderae BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 205 (1892), *St. Vinc., Cuba, Brazil, Canary Is., Madeira, Senegal, Java, Philippine Is.*

surinamensis BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 205 (1892), *St. Vinc.* — BRUNN., Ibid., 1893, 604 (1893), *Grenada, St. Vinc.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 90 (1893), *Mex., Centr. Amer., warm latitudes*. — COCK., Journ. inst. Jam., i, 258 (1893), *Jam.* — SMITH, Ins. N. J., 151 (1900), *N. J.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 47 (1900), *Costa Rica.*

See also Panchlora (*Leucophaea*) *surinamensis*.

Libisoca

aequalis WALK., Cat. Blatt. Brit. mus., 12-13 (1868), *St. Dom.*

Lichenochrus

brevistylus SAUSS.-PICT., Biol. centr. amer., Orth., 410 (1898), *Mex.*

muticus BRUNN., Mon. Pseudoph., 131-132 (1895), *Chiriqui*. — SAUSS.-PICT., Biol. centr. amer., Orth., 411 (1898), *Id.*

nitidus BRUNN., Mon. Pseudoph., 131 (1895), *Jam.*

vaginalis SAUSS.-PICT., Biol. centr. amer., Orth., 409-410 (1898), *Guat.*

Licodia

pallipes WALK., Cat. Derm. salt.* Brit. mus., i, 210-211 (1869), *St. Dom.*

Ligurotettix

coquilletti McNEILL, Proc. Davenp. acad. nat. sc., vi, 258-259, pl. 5, figs. 24, 24a-c (1897), *Cala.* — SCUDD., Cat. Orth. U. S., 29 (1900), *Id.*; Psyche, ix, 95 (1900), *Ariz., Cala.*

Liparoscelis

nigrispina STÅL, Öfv. k. vet.-akad. förh., xxx, 49 (1873), *Mex.*; Rec. Orth., ii, 86 (1874), *Id.* — BRUNN., [-nis] Mon. Pseudoph., 175-176 (1895), *Id.* — SAUSS.-PICT., [-nis] Biol. centr. amer., Orth., 427 (1898), *Id.*

pallidispina STÅL, Öfv. k. vet.-akad. förh., xxx, 49 (1873), *Mex.*; Rec. Orth., ii, 85 (1874), *Id.* — BRUNN., Mon. Pseudoph., 176, pl. 7, fig. 80 (1895), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 427 (1898), *Id.*

Liphoplus

krugi SAUSS., Biol. centr. amer., Orth., 232 (1897), *Cuba.*

mexicanus SAUSS., Biol. centr. amer., Orth., 231, pl. 11, fig. 37 (1897), *Mex.*

Lirometopum

coronatum SAUSS.-PICT., Biol. centr. amer., Orth., 380-381, pl. 19, fig. 3 (1898), *Nicar., Costa Rica, Colombia.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica.*

Lissophyllum

spinulosum BRUNN., Mon. Pseudoph., 145 (1895), *Jam.*

Litaneutria

borealis SCUDD., Can. ent., xxviii, 209 (1896), *Nebr.*; Cat. Orth. U. S., 11 (1900), *Id.*

minor SCUDD., Can. ent., xxviii, 209, 214, 215 (1896), *Tex., N. Mex., Utah, Col., Nebr., Wyo., Ariz., Cala., Kans., Idaho, Nev.*; Cat. Orth. U. S., 11 (1900), *Nebr. to Tex.*

obscura SCUDD., Can. ent., xxviii, 210 (1896), *Ariz., Cala., Lower Cala.*; Cat. Orth. U. S., 11 (1900), *Ariz., Cala.*

ocularis SAUSS., Soc. ent., vii, 123-124 (1892), *Mex.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 154, pl. 8, figs. 3, 3a-c (1894), *Id.*

pacifica SCUDD., Can. ent., xxviii, 210 (1890), *Cala.*; Cat. Orth. U. S., 11 (1900), *Id.*

Liturgousa

cayennensis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 159-160 (1894), *Pan., Guiana, Amazons.*

cayennensis maya SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 60 (1894), *Mex., Guat.*

maya. See *Liturgousa cayennensis maya.*

Lobophyllus

legumen WALK., Cat. Derm. salt. Brit. mus., ii, 387 (1869), *Amer.*

See also *Phylloptera* (*Lobophyllus*) *legumen.*

Loboptera

americana SCUDD., Cat. Orth. U. S., 8, 93, pl. 2, fig. 4 (1900), *Ariz.*; Can. ent., xxxii, 329 (1900), *Cala.*

annulicornis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 54, pl. 1, fig. 24 (1893), *Mex.*

indica BRUNN., Blatt., 82 (1865), *Indes.*

Locusta

acuminata DE GEER, Mém. hist. ins., iii, 442, pl. 37, fig. 8 (1773), *Indes.*
—FABR., Syst. ent., 284 (1775), *Amer.*; Nom. ent. emend., 80 (1797, 1810), *Ind.*,
Eur. — OKEN, Lehrb. nat., iii, pt. 1, 451 (1815), *Indien.*

aequalis HARR., Hitchc., Rep. geol. Mass., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*; Ins. inj. veg., 1 ed., 144 (1841, 1842), *Id.*; Ibid., 2 ed., 155 (1852), *Id.*; Ibid., 3 ed., 178 (1862), *Id.*

affinis PALIS., Ins. Afr. Amér., 219, pl. 12, fig. 5 (1805-1821), *St. Dom.*

agilis DE GEER, Mém. hist. ins., iii, 457, pl. 40, fig. 3 (1773), *Penn.* —
GOETZE, De Geer, Gesch. ins., iii, 296, pl. 40, fig. 3 (1780), *Id.* — HARR., Ins.
inj. veg., 1 ed., 130 (1841, 1842), *Penn., south. st.*; Ibid., 2 ed., 141 (1852), *Id.*;
Ibid., 3 ed., 162 (1862), *Id.*

See also *Gryllus* (*Locusta*) *agilis.*

annulata. See *Gryllus* (*Locusta*) *annulatus.*

apiculata HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat.
ins. Mass., 56 (1835), *Id.*

aquilina DE GEER, Mém. hist. ins., iii, 450, pl. 38, fig. 6, pl. 39, fig. 1
(1773), *Indes.*

camellifolia FABR., Syst. ent., 283 (1775), *Amer.*; Spec. ins., i, 356 (1781),
Id.; Ent. syst., ii, 35 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

See also *Gryllus* (*Locusta*) *camellifolius.*

carinata. See *Gryllus* (*Locusta*) *carinatus*.

carolina HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*; Encycl. amer., viii, 41 (1835), *Amer.*; Ins. inj. veg., 1 ed., 142 (1841, 1842), *Mass.*; Ibid., 2 ed., 153 (1852), *Id.* — EMM., Agric. N. Y., v, 145, pl. 9, fig. 9 (1854), *N. Y.* — HARR., Ins. inj. veg., 3 ed., 176, pl. 3, fig. 3 (1862), *Mass.* — RATHV., Rep. U. S. dep. agric., 1862, 386, pl., figs. 26, 26a (1862). — PACK., Rep. nat. hist. Me., 1862, 196 (1862), *Me.*; How to collect, 57 (1862), *Id.*; Amer. nat., xv, pl. 5, fig. 4 (1881).

See also *Gryllus* (*Locusta*) *carolinus*.

caroliniana CATESB., Carol., ii, 89, pl. 89 (1743), *Car.* — MORT., Phil. trans., xlv, 603 (1748), *Id.*

centurio. See *Gryllus* (*Locusta*) *centurio*.

cerineipennis HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*

chrysomelas. See *Gryllus* (*Locusta*) *chrysomelas*.

citrifolia FABR., Syst. ent., 282 (1775), *In Indiis*; Spec. ins., i, 356 (1781), *Id.*; Ent. syst., ii, 33 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.* — BILLB., Enum. ins., 64 (1820), *Id.*

corallina HARR., Ins. inj. veg., 1 ed., 142 (1841, 1842), *Mass.*; Ibid., 2 ed., 153 (1852), *Id.* — EMM., Agric. N. Y., v, 146 (1854), *N. Y.* — HARR., Ins. inj. veg., 3 ed., 176 (1862), *Mass.* — PACK., Rep. nat. hist. Me., 1862, 196 (1862), *Me.*; How to collect, 57 (1862), *Id.*

coriacea FABR., Spec. ins., i, 358 (1781), *In Indiis*; Ent. syst., ii, 40 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Id.*

coronata DE GEER, Mém. hist. ins., iii, 448, pl. 38, fig. 5 (1773), *Indes ou Afrique.* — FABR., Syst. ent., 285 (1775), *In Indiis*; Spec. ins., i, 358 (1781), *Id.*; Ent. syst., ii, 40 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

cristata. See *Gryllus* (*Locusta*) *cristatus*.

curtipennis HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

curvicauda DE GEER, Mém. hist. ins., iii, 446, pl. 38, fig. 3 (1773), *Penn.* — GOEZE, De Geer, Gesch. ins., iii, 289, pl. 38, fig. 3 (1780), *Id.*

See also *Gryllus* (*Locusta*) *curvicauda*.

cyanipes. See *Gryllus* (*Locusta*) *cyanipes*.

dentata. See *Gryllus* (*Locusta*) *dentatus*.

dux DUNC., Intr. ent., 257, pl. 15, fig. 2 (1840), *Trop. amer.*

See also *Gryllus* (*Locusta*) *dux*.

elongata FABR., Nom. ent. emend., 80 (1797, 1810), *Ind.*

erythropus. See *Gryllus* (*Locusta*) *erythropus*.

eucerata HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*; Ins. inj. veg., 1 ed., 145–146 (1841, 1842), *Id.*; Ibid., 2 ed., 156 (1852), *Id.*; Ibid., 3 ed., 180 (1862), *Id.*

fasciata DE GEER, Mém. hist. ins., iii, 458, pl. 40, fig. 4 (1773), *Penn.*

See also *Gryllus* (*Locusta*) *fasciatus*.

femur rubrum. See *Gryllus* (*Locusta*) *femur rubrum*.

flavovittata PACK., Rep. nat. hist. Me., 1861, 375 (1861), *Me.*

fuliginosa THOM., Ann. rep. U. S. geol. surv. terr., v, 443-444, pl. 1, fig. 9 (1872), *Ariz.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 9 (1872). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 906 (1875), *Id.* — RIL., Stand. nat. hist., ii, 191 (1884), *Interior U. S.*

haematopus. See Gryllus (*Locusta*) haematopus.

lanceolata PALIS., Ins. Afr. Amér., 219, Orth., pl. 7, fig. 4 (1805-1821), *St. Dom.*

lateralis. See Gryllus (*Locusta*) lateralis.

latipennis HARR., Ins. inj. veg., 1 ed., 144-145 (1841, 1842), *Mass.*; *Ibid.*, 2 ed., 155 (1852), *Id.* — PACK., Rep. nat. hist. Me., 1861, 374 (1861), *Me.* — HARR., Ins. inj. veg., 3 ed., 179 (1862), *Mass.*

laurifolia FABR., Syst. ent., 282 (1775), *Amer.*, *N. Holl.*; Spec. ins., i, 356 (1781), *Id.* — PALIS., Ins. Afr. Amér., 219, Orth., pl. 12, fig. 3 (1805-1821), *St. Dom.*

See also Gryllus (*Locusta*) laurifolius.

leucostoma KIRB., Faun. bor. amer., iv, 250 (1837), *Lat. 65°*. — BETH., Can. ent., vii, 129 (1875), *Can.*, *N. E.*, south to *Id.*, *Tec.*, westw. to *Nebr.*, *Minn.*, north to *Lake Winnipeg*; Ins. Brit. amer., 120-121 (1884), *Id.*

See also Acridium (*Locusta*) leucostoma.

maritima HARR., Ins. inj. veg., 1 ed., 143-144 (1841, 1842), *Mass.*; *Ibid.*, 2 ed., 154 (1852), *Id.*; *Ibid.*, 3 ed., 178 (1862), *Id.*

marmorata HARR., Ins. inj. veg., 1 ed., 145 (1841, 1842), *Mass.*; *Ibid.*, 2 ed., 156 (1852), *Id.*; *Ibid.*, 3 ed., 179 (1862), *Id.*

maxillosa FABR., Syst. ent., 284 (1775), *Amer.*; Spec. ins., i, 357 (1781), *Amer. ins.* — ZSCHACH, Mus. Lesk., 47 (1788), *Amer.* — FABR., Ent. syst., ii, 37 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

See also Gryllus (*Locusta*) maxillosus.

melanoptera FABR., Syst. ent., 285 (1775), *In Indiis*; Spec. ins., i, 358 (1781), *Id.*; Ent. syst., ii, 40 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Ind.*

miles. See Gryllus (*Locusta*) miles.

miliaris. See Gryllus (*Locusta*) miliaris.

morbillosa. See Gryllus (*Locusta*) morbillosus.

musarum PALIS., Ins. Afr. Amér., 218, Orth., pl. 12, fig. 1 (1805-1821), *St. Dom.*

myrtifolia FABR., Syst. ent., 282 (1775), *Amer.*; Spec. ins., i, 356 (1781), *Amer. mer.* — ZSCHACH, Mus. Lesk., 47 (1788), *Amer.* — FABR., Ent. syst., ii, 34 (1793), *Id.*

See also Gryllus (*Locusta*) myrtifolius.

nebulosa HARR., Ins. inj. veg., 1 ed., 146 (1841, 1842), *Mass.*; *Ibid.*, 2 ed., 157 (1852), *Id.* — EMM., Agric. N. Y., v, 146, pl. 9, fig. 7 (1854), *N. Y.*, *Mass.* — HARR., Ins. inj. veg., 3 ed., 181 (1862), *Mass.*

oblongifolia DE GEER, Mém. hist. ins., iii, 445, pl. 38, fig. 2 (1773), *Penn.* — GOEZE, De Geer, Gesch. ins., iii, 288, pl. 38, fig. 2 (1780), *Id.*

occidentalis THOM., Ann. rep. U. S. geol. surv. terr., v, 444, pl. 2, fig. 16 (1872), *Cala*. — GLOV., Fl. N. A. ent., Orth., pl. 11, fig. 16 (1872). — RIL., Stand. nat. hist., ii, 191 (1884), *Id.*

ocellata FABR., Syst. ent., 284 (1775), *In Indiis*; Spec. ins., i, 357 (1781), *Id.*; Ent. syst., ii, 39 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Ind.*

periscelidis HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

perspicillata FABR., Syst. ent., 283 (1775), *Amer.*; Spec. ins., i, 357 (1781), *Id.* — ZSCHACH, Mus. Lesk., 48 (1788), *Id.* — FABR., Ent. syst., ii, 36 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

See also Gryllus (Locusta) perspicillatus.

purpurascens. *See* Gryllus (Locusta) purpurascens.

radiata HARR., Hitchc., Rep. geol. Mass., 2 ed., 576 (1835), *Mass.*; Cat. ins. Mass., 56 (1835), *Id.*

reticularis. *See* Gryllus (Locusta) reticularis.

reticulata FABR., Ent. syst., ii, 40 (1793), *Guadel.*; Nom. ent. emend., 81 (1797, 1810), *Id.*

rustica. *See* Gryllus (Locusta) rusticus.

serrulata PALIS., Ins. Afr. Amér., 218, Orth., pl. 12, fig. 2 (1805-1821), *St. Dom.*

specularis FABR., Syst. ent., 284 (1775), *Amer.*; Spec. ins., i, 357 (1781), *Id.*; Ent. syst., ii, 38 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.*

See also Gryllus (Locusta) specularis.

spinulosa FABR., Spec. ins., i, 361 (1781), *In Indiis*; Ent. syst., ii, 44 (1793), *Id.*; Nom. ent. emend., 81 (1797, 1810), *Ind.*

See also Gryllus (Locusta) spinulosus.

succincta. *See* Gryllus (Locusta) succinctus.

sulphurea HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*; Ins. inj. veg., 1 ed., 143 (1841, 1842), *Id.*; Ibid., 2 ed., 154 (1852), *Id.* — EMU., Agric. N. Y., v, 146 (1854), *N. Y.* — HARR., Ins. inj. veg., 3 ed., 177 (1862), *Mass.* — PACK., Rep. nat. hist. Me., 1862, 196 (1862), *Me.*; How to collect, 57 (1862), *Id.* — RATHV., Rep. U. S. dep. agric., 1862, 386, pl., fig. 27 (1862).

See also Gryllus (Locusta) sulphureus.

tartarica WESTW., Drury, Ins., i, 121, pl. 49, fig. 2 (1837), *Va., N. Y., Antigua, Madras, Tartary, Africa.*

triops FABR., Syst. ent., 285 (1775), *In Indiis*; Spec. ins., i, 358 (1781), *Id.*; Ent. syst., ii, 40 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Ind.*

tuberculata HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.* — WHITE, Rich. arct. search exp., ii, 360 (1851), *Mackenzie and Slave Riv., Ft. Simpson.*

variegata. *See* Gryllus (Locusta) variegatus.

verruculata KIRB., Faun. bor. amer., iv, 250 (1837), *Lat. 57°*. — BETH., Can. ent., vii, 130 (1875), *Can., N. E., Lake Winnipeg*; Ins. Brit. amer., 121 (1884), *Id.*

See also Acridium (Locusta) verruculatum.

virginiana. See Gryllus (Locusta) virginianus.
viridifasciata HARR., Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), Mass.;
 Ibid., 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.* — THOM., Trans.
 Ill. st. agric. soc., v, 451 (1865), *Ill.*
See also Gryllus (Locusta) viridifasciatus.

Locusta (Acanthodis)

coriacea DE HAAN, Bijdr. kenn. Orth., 178 (1842), *Martinique*,
musarum DE HAAN, Bijdr. kenn. Orth., 178 (1842), *St. Dom.*
perspicillata DE HAAN, Bijdr. kenn. Orth., 178 (1842), *Mex.*
scabricollis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *Martinique*.

Locusta (Anostostoma)

talpa DE HAAN, Bijdr. kenn. Orth., 178 (1842), *Mex.*

Locusta (Chloealtis)

abortiva HARR., Ins. inj. veg., 1 ed., 149 (1841, 1842), Mass., *N. H.*;
 Ibid., 2 ed., 160 (1852), *Id.*; Ibid., 3 ed., 184 (1862), *Id.*
conspersa HARR., Ins. inj. veg., 1 ed., 149 (1841, 1842), Mass.; Ibid., 2
 ed., 160 (1852), *Id.*; Ibid., 3 ed., 184 (1862), *Id.*
curtipennis HARR., Ins. inj. veg., 1 ed., 149 (1841, 1842), Mass.; Ibid
 2 ed., 160 (1852), *Id.*; Ibid., 3 ed., 184, pl. 3, fig. 1 (1862), *Id.* — RATHV
 Rep. U. S. dep. agric., 1862, 386-387, pl., fig. 28 (1862).

Locusta (Conocephalus)

dissimilis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*
guttata DE HAAN, Bijdr. kenn. Orth., 178 (1842), *Cuba*.
nodifrons DE HAAN, Bijdr. kenn. Orth., 178 (1842), *St. Dom.*
obtusa DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*

Locusta (Cyrtophyllus)

perspicillata DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*

Locusta (Ephippigera)

dorsalis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*
pachymera DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*

Locusta (Gnathoclitia)

vorax DE HAAN, Bijdr. kenn. Orth., 208 (1842), *Amer.*

Locusta (Phaneroptera)

curvicauda DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*

septentrionalis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*

Locusta (Phylloptera)

laurifolia DE HAAN, Bijdr. kenn. Orth., 178 (1842), *St. Dom.*

oblongifolia DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*

retinervis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *U. S.*

Locusta (Polyancistrus)

serrulata DE HAAN, Bijdr. kenn. Orth., 178 (1842), *St. Dom.*

Locusta (Rhaphidophora)

annulipes DE HAAN, [-phorus] Bijdr. kenn. Orth., 178 (1842), *St. Dom.*

cubensis DE HAAN, [-phorus] Bijdr. kenn. Orth., 178, 218 (1842), *Cuba.*

lapidicola DE HAAN, [-phorus] Bijdr. kenn. Orth., 178 (1842), *Cuba.*

Locusta (Rutioderes)

centurio WESTW., Drury, Ins., ii, 88, pl. 41, fig. 3 (1837), *Honduras.*

dux WESTW., Drury, Ins., ii, 92, pl. 44 (1837), *Hond., Brazil.*

miles WESTW., Drury, Ins., ii, 89, pl. 42, fig. 2 (1837), *Hond.*

Locusta (Tragocephala)

infuscata HARR., Ins. inj. veg., 1 ed., 147 (1841, 1842), *Mass.*; Ibid., 2 ed., 158 (1852), *Id.*; Ibid., 3 ed., 181 (1862), *Id.*

radiata HARR., Ins. inj. veg., 1 ed., 148 (1841, 1842), *Mass., N. C.*; Ibid., 2 ed., 159 (1852), *Id.*; Ibid., 3 ed., 183 (1862), *Id.*

viridifasciata HARR., Ins. inj. veg., 1 ed., 147 (1841, 1842), *Mass.*; Ibid., 2 ed., 158 (1852), *Id.*; Ibid., 3 ed., 182 (1862), *Id.*

Locusta (Xiphidium)

agilis DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*

fusca DE HAAN, Bijdr. kenn. Orth., 189 (1842), *Eur., Java, Porto Rico, Amer. melit.*

glaberrima DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*

glauca DE HAAN, Bijdr. kenn. Orth., 178 (1842), *S. C.*

Lophacris

velasquezii SCUDD., Proc. Bost. soc. nat. hist., xii, 354 (1869), *Mex.*; Ent. notes, ii, 40 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 549 (1870),

Mex., Guiana. — THOM., Rep. U. S. geol. surv. terr., v, 238 (1873), *Mex.* — RIL., Stand. nat. hist., ii, 193 (1884), *Id.*

Lophaspis

scabriuscula BRUNN., Mon. Pseudoph., 245, pl. 9, fig. 107 (1895), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 448-449, pl. 21, fig. 24 (1898), *Id.*

Machaerocera

mexicana SAUSS., Rev. mag. zool., 1859, 391 (1859), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iii, 531 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 201 (1873), *Id.* — REHN, Trans. amer. ent. soc., xxvii, 96 (1900), *Id.*

sumichrasti THOM., Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 70 (1874), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 96 (1900), *Id.*

Macneillia

obscura SCUDD., Psyche, viii, 239 (1898), *U. S.*; Cat. Orth. U. S., 22 (1900), *Fla.*

Macromantis

hyalina SAUSS., Mant. amér., 79-80 (1870), *Amér. trop.*

nicaraguae. See *Macromantis ovalifolia nicaraguae.*

ovalifolia GIR., Traité ent., ii, 84 (1879), *Mex.*

ovalifolia nicaraguae SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 150-151 (1894), *Nicar.*

Mantis

angulata FABR., Ent. syst., ii, 13 (1793), *Guadeloupe*; Nom. ent. emend., 79 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 533 (1806), *Id.*

angusta GMEL., Linn. syst. nat., i, pt. 4, 2055 (1802), *Antigua.* — TURT., Syst. nat. Linn., ii, 541 (1806), *Id.*

bicornis LINN., Syst. nat., 12 ed., ii, 691 (1767), *In Indiis*; Ibid., 13 ed., i, 691 (1767), *Id.* — GOEZE, Ent. beytr., ii, 27 (1778), *Id.*

See also *Gryllus* (Mantis) *bicornis.*

bidens FABR., Syst. ent., 277 (1775), *Amer.* — GOEZE, Ent. beytr., ii, 31 (1778), *Id.* — FABR., Spec. ins., i, 350 (1781), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2051 (1788), *Id.* — OLIV., Encycl. méth., vii, 629 (1792), *Id.* — FABR., Ent. syst., ii, 22 (1793), *Id.*; Nom. ent. emend., 78 (1797, 1810), *Id.* — LICHT., Trans. Linn. soc. Lond., vi, 24 (1802), *Id.* — TURT., Syst. nat. Linn., ii, 538 (1806), *Id.* — DE HAAN, Bijdr. kenn. Orth., 79 (1842), *Brasilia, Mex., Antill.*

bifasciata DE HAAN, Bijdr. kenn. Orth., 60, 78 (1842), *Cuba.*

bispinosa FABR., Syst. ent., 274 (1775), *Amer.* — GOEZE, Ent. beytr., ii, 30

(1778), *Id.* — FABR., Spec. ins., i, 346 (1781), *Id.* — GMEL., Linn. syst. nat., iv, 2054 (1789), *Id.* — OLIV., Encycl. méth., vii, 633 (1792), *Id.* — FABR., Ent. syst., ii, 15 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Id.* — SHAW-NODD., Nat. misc., ix, pl. 323 (1797), *Id.* — TURR., Syst. nat. Linn., ii, 534 (1806), *Id.*

calamus FABR., Ent. syst., ii, 13 (1793), *Santa Cruz*; Nom. ent. emend., 79 (1797, 1810), *Id.* — TURR., Syst. nat. Linn., ii, 533 (1806), *Id.*

cancellata FABR., Syst. ent., 274 (1775), *In Indiis*. — GOEZE, Ent. beytr., ii, 30 (1778), *Id.* — FABR., Spec. ins., i, 347 (1781), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Id.*

carolina LINN., Syst. nat., 12 ed., ii, 691 (1767), *Car.*; Ibid., 13 ed., i, 691 (1767), *Id.* — MÜLL., Linn. natursyst., v, 414 (1774), *Id.* — GOEZE, Ent. beytr., ii, 26 (1778), *Id.* — STOLL, Répr. spectr., Spectr., 70, pl. 24, figs. 91, 92 (1787–1813), *Geo., Va.* — GMEL., Linn. syst. nat., i, pt. 4, 2053 (1788), *Car.* — OLIV., Encycl. méth., vii, 632 (1792), *Id.* — TURR., [—linæ] Syst. nat. Linn., ii, 540 (1806), *Id.* — DE HAAN, Bijdr. kenn. Orth., 60 (1842), *Tenn.* — ZIMM., Arch. nat., ix, 390 (1843), *N. C.* — RATHV., Rep. U. S. dep. agric., 1862, 376–377, pl., figs. 8–10 (1862). — THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Ill.* — WALSH-RIL., Amer. ent., i, 58, 59 (1868), *Ill., Mo.* — RIL., Rep. ins. Mo., i, 169, figs. 94, 95 (1869), *Mo., south. st.* — PACK., Guide ins., 575, figs. 567, 568 (1869), *South. and west. st.* — WALSH-RIL., Amer. ent., ii, 63, 64 (1869), *N. to lat. 40°*. — RIL., Amer. ent. bot., ii, 272 (1870). — GLOV., Ill. N. A. ent., Orth., pl. 2, figs. 1–16 (1872); Rep. U. S. ent., 1873, 133, fig. 5 (1873), *D. C.*; Ibid., 1874, 40 (1874), *Mid. st.* — DODGE, Field for., i, 74 (1876), *D. C.* — RIL., Loc. plague, 128 (1877); Rep. U. S. ent. comm., iii, 37, figs. 19a, b (1880); Ibid., iv, 99–100, figs. 25ab (1885). — ASHM., Can. ent., xviii, 57 (1886). — HOW., Science, viii, 326 (1886). — RIL., Bull. div. ent. U. S. dep. agric., x, 44, figs. 20ab (1887); Ins. life, i, 156 (1888). — LINTN., Rep. ins. N. Y., iv, 158–162, figs. 65, 66 (1888). — PACK., Ins. inj. for., 251–252, figs. 89ab (1890).

See also *Gryllus (Mantis) carolinus*.

chlorophaea BLANCH., Guér., Mag. zool., v, 135 (1835), *N. Y.* — DE HAAN, Bijdr. kenn. Orth., 60, 79 (1842), *Id.*

cingulata DRURY, Ill. nat. hist., ii, 89, pl. 49, fig. 2 (1773), *Jam.* — GOEZE, Ent. beytr., ii, 29 (1778), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2055 (1788), *Id.* — OLIV., Encycl. méth., vii, 635 (1792), *Id.* — TURR., Syst. nat. Linn., ii, 540 (1806), *Id.* — SERV., Ann. sc. nat., xxii, 54 (1831), *Id.* — WESTW., Drury, Ins. ii, 99, pl. 49, fig. 2 (1837), *Id.* — SERV., Orth., 197 (1839), *Brazil, Mex., Antill.* — DE HAAN, Bijdr. kenn. Orth., 60 (1842), *Id.* — GUÉR., Sagra, Hist. nat. Cuba, 349 (1857), *Jam., St. Dom., Cuba.*

conspurcata SERV., Orth., 190 (1839), *N. A.*

cordata FABR., Suppl. ent. syst., 190 (1798), *In Indiis*.

cubensis DE HAAN, Bijdr. kenn. Orth., 60, 75 (1842), *Cuba.*

domingensis PALIS., Ins. Afr. Amér., 61, pl. 12, fig. 2 (1807), *St. Dom.* — GUÉR., Sagra, Hist. nat. Cuba, 348 (1857), *AntiE.* — COCK., [—guensis] Journ. Inst. Jam., i, 258 (1893), *Jam.*

ferula FABR., Ent. syst., ii, 12 (1793), *Guadeloupe*; Nom. ent. emend., 79 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 533 (1806), *Id.*

flabellicornis LICHT., Trans. Linn. soc. Lond., vi, 22 (1802), *In Indiis.*

fuscata WEB., Obs. ent., 97 (1801), *Amer.*

gemmata STOLL', Répr. spectr., Spectr., 71, pl. 24, fig. 93 (1787-1813), *Geo. or Va.*

gigas DRURY, Ill. nat. hist., ii, 89, pl. 50 (1773), *St. Vinc.* — GOEZE, Ent. beytr., ii, 29 (1778), *Id.*

See also Gryllus (Mantis) gigas.

gongylodes DRURY, Ill. nat. hist., i, 129, pl. 50, fig. 2 (1773), ii, App. (1783), *Madras, Philadelphia.* — PANZ., Drury, Ins., 202, pl. 50, fig. 2 (1785-1788), *Madras, Va.* — LICHT., Trans. Linn. soc. Lond., vi, 21 (1802), *In Indiis.* — CHARP., Germ., Zeitschr. ent., v, 291 (1844).

See also Gryllus (Mantis) gongylodes.

hyalina DE GEER, Mém. hist. ins., iii, 410, pl. 37, fig. 1 (1773), *Amér.* — FABR., Syst. ent., 277 (1775), *Id.* — GOEZE, Ent. beytr., ii, 30, 31 (1778), *Id.*; De Geer, Gesch. ins., iii, 266, pl. 37, fig. 1 (1780), *Id.* — FABR., Spec. ins., i, 349 (1781), *Id.* — STOLL', Répr. spectr., Spectr., 60, pl. 20, fig. 75 (1787-1813), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2051 (1788), *Id.* — OLIV., Encycl. méth., vii, 629 (1792), *Id.* — FABR., Ent. syst., ii, 21 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Id.* — LICHT., Trans. Linn. soc. Lond., vi, 30 (1802), *Id.* — TURT., Syst. nat. Linn., ii, 538 (1806), *Id.* — BILLB., Enum. ins., 64 (1820), *Id.* — DE HAAN, Bijdr. kenn. Orth., 60 (1842), *Centr. amer.*

inquinata SERV., Orth., 191 (1839), *S. C.*

irrorata LINN., Syst. nat., 12 ed., ii, 690 (1767), *Car.*, *Ibid.*, 13 ed., i, 690 (1767), *Id.* — MÜLL., Linn. natursyst., v, 413 (1774), *Id.* — FABR., Syst. ent., 276 (1775), *Amer.* — GOEZE, Ent. beytr., ii, 25 (1778), *Car.* — FABR., Ent. syst., ii, 19 (1792), *Amer.*; Nom. ent. emend., 79 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 537 (1806), *Id.*

See also Gryllus (Mantis) irroratus.

jamaicensis DRURY, Ill. nat. hist., ii, 88, pl. 49, fig. 1 (1773), *Jam.* — GOEZE, Ent. beytr., ii, 29 (1778), *Id.* — FABR., Spec. ins., i, 346 (1781), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2054 (1788), *Id.* — OLIV., Encycl. méth., vii, 634 (1792), *Id.* — FABR., Ent. syst., ii, 15 (1793), *Id.* — TURT., Syst. nat. Linn., ii, 534 (1806), *Id.*

latipennis DE HAAN, Bijdr. kenn. Orth., 60 (1842), *Mex.*

limbata HAAN, Icon. Orth., pl. A., gen. Mantis, fig. 2 (1836), *Mex.* — DE HAAN, Bijdr. kenn. Orth., 60 (1842), *Id.*

linearis DRURY, Ill. nat. hist., i, 130, pl. 50, fig. 3 (1770), ii, App. (1773), *Antigua.* — GOEZE, Ent. beytr., ii, 29 (1778), *Id.* — PANZ., Drury, Ins., 203, pl. 50, fig. 3 (1785-1788), *Id.* — FABR., Nom. ent. emend., 79 (1797, 1810), *Ind.*

marginata PALIS., Ins. Afr. Amér., 62, Orth., pl. 12, fig. 3 (1807), *St. Dom.* — BILLB., Enum. ins., 64 (1820), *Ind. occ.* — GUÉR., Sagra, Hist. nat. Cuba, 349 (1857), *St. Dom., Cuba.* — GUNDEL., Ent. cub., ii, 325 (1890), *Cuba.*

minuta DRURY, Ill. nat. hist., ii, 75, pl. 39, fig. 5 (1773), *Amer.* — GOEZE, Ent. beytr., ii, 28 (1778), *Id.*

missouriensis RIL., Glov., Ill. N. A. ent., Orth., pl. 13, fig. 11 (1872); Stand. nat. hist., ii, 175 (1884), *Mo.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

musarum PALIS., Ins. Afr. Amér., 111, pl. 13, fig. 3 (1811), *St. Dom.*

oratoria LIGHT., Trans. Linn. soc. Lond., vi, 20 (1802), *Ubique in zona torr. et temp.*

parva GMEL., Linn. syst. nat., i, pt. 4, 2055 (1788), *Amer.* — OLIV., Encycl. méth., vii, 634 (1792), *Id.* — TURT., Syst. nat. Linn., ii, 540 (1806), *Id.*

pectinata DRURY, Ill. nat. hist., i, 128, pl. 50, fig. 1 (1770), ii, App. (1773), *Jam.*

pectinicornis FABR., Spec. ins., i, 347 (1781), *In Indiis, Jam.* — PANZ., Drury, Ins., 201, pl. 50, fig. 1 (1785–1788), *Jam.* — HERBST, Fuessly, Arch. ins., 1786, 187, pl. i, fig. 2 (1786), *Id.* — GMEL., Linn. syst. nat., i, pt. 4, 2053 (1788), *Ind. austr., Amer., Jam.* — OLIV., Encycl. méth., vii, 632, pl. 133, fig. 3 (1792), *Jam.* — FABR., Ent. syst., ii, 18 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Id.* — TURT., Syst. nat. Linn., ii, 536 (1806), *Id.*

phryganoides SERV., Orth., 198 (1839), *Amér. sept.* — DE HAAN, Bijdr. kenn. Orth., 60, 80 (1842), *N. Y., Cuba.*

phthisica LINN., Syst. nat., 12 ed., ii, 689 (1767), *In Indiis*; Ibid., 13 ed., i, 689 (1767), *Id.* — GOEZE, Ent. beytr., ii, 20 (1778), *Id.*

See also Gryllus (Mantis) phthisicus.

precaria LINN., Syst. nat., 12 ed., 691 (1767), *Amer., Afr.*; Ibid., 13 ed., 691 (1767), *Id.* — FABR., Syst. ent., 277 (1775), *Id.*; Spec. ins., i, 349 (1781), *Id.* — HERBST, Fuessly, Arch. ins., 1786, 186, pl. 50, fig. 1 (1786), *Amer.* — GMEL., Linn. syst. nat., iv, 2050 (1789), *Amer., Afr.* — OLIV., Encycl. méth., vii, 628 (1792), *Amer., Afr., Asia.* — FABR., Ent. syst., ii, 20 (1793), *Amer., Afr.*; Nom. ent. emend., 79 (1797, 1810), *Amer.* — LIGHT., Trans. Linn. soc. Lond., vi, 26 (1802), *Id.* — BILLB., Enum. ins., 64 (1820), *Amer., Afr.* — SERV., Ann. sc. nat., xxii, 53 (1831), *Id.* — HAHN, Icon. Orth., pl. A, gen. Mantis, fig. 1 (1836), *Id.* — CHARP., Germ., Zeitschr. ent., v, 303 (1844).

See also Gryllus (Mantis) precarius.

religiosa BROWNE, Nat. hist. Jam., 433, Mantis 2, Ind., 3, 4 (1789), *Jam.* — SCUDD., Psyche, ix, 119 (1900), *N. Y.* — SLING., Bull. 185, Corn. univ. agric. exp. st., 33–47, figs. 12–14 (1900), *Id.*

reticulata THUNB., Mém. acad. St. Pétersb., v, 288 (1815), *Ins. Barthel.*

rhombica LATR., Humb.-Bonpl., Rec. obs. zool., ii, 103, pl. 39, figs. 2, 3 (1811–1832), *Amér. équinox.*

siccifolia LINN., Syst. nat., 13 ed., i, 689 (1767), *In Indiis.* — FABR., Syst. ent., 274 (1775), *Id.* — GOEZE, Ent. beytr., ii, 21 (1778), *Id.* — FABR., Spec. ins., i, 347 (1781), *Id.*; Ent. syst., ii, 18 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Ind.*

See also Gryllus (Mantis) siccifolius.

simulacrum FABR., Ent. syst., ii, 21 (1793), *Amer.*; Nom. ent. emend., 79 (1797, 1810), *Id.* — LICHT., Trans. Linn. soc. Lond., vi, 28 (1802), *In Indiis.* — TURR., Syst. nat. Linn., ii, 538 (1806), *Amer.* — BILLB., Enum. ins., 64 (1820), *Id.*

spinosa FABR., Syst. ent., 274 (1775), *In Indiis.* — GOEZE, Ent. beytr., ii, 30 (1778), *Id.* — FABR., Ent. syst., ii, 14 (1793), *Id.* — Nom. ent. emend., 79 (1797, 1810), *Ind.*

strumaria LINN., Syst. nat., 12 ed., ii, 691 (1767), *In Indiis*; *Ibid.*, 13 ed., i, 691 (1767), *Id.* — MÜLL., Linn. natursyst., v, 414 (1774), *Id.* — FABR., Syst. ent., 274 (1775), *Id.* — GOEZE, Ent. beytr., ii, 27 (1778), *Id.* — FABR., Spec. ins., i, 347 (1781), *Id.*; Ent. syst., ii, 18 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Ind.* — LICHT., Trans. Linn. soc. Lond., vi, 26 (1802), *In Indiis.* — LAM., Hist. nat. an. sans vert., 1 ed., iv, 250 (1817), *Id.*; *Ibid.*, 2 ed., iv, 451 (1835), *Id.*; *Ibid.*, 3 ed., ii, 155 (1839), *Id.*

See also Gryllus (Mantis) strumarius.

tricolor LINN., Syst. nat., 12 ed., ii, 691 (1767), *In Indiis*; *Ibid.*, 13 ed., i, 691 (1767), *Id.* — GOEZE, Ent. beytr., ii, 27 (1778), *Id.* — FABR., Nom. ent. emend., 79 (1797, 1810), *Ind.*

See also Gryllus (Mantis) tricolor.

urbana FABR., Syst. ent., 278 (1775), *In Indiis.* — GOEZE, Ent. beytr., ii, 31 (1778), *Id.* — FABR., Spec. ins., i, 350 (1781), *Id.*; Ent. syst., ii, 23 (1793), *Id.*; Nom. ent. emend., 79 (1797, 1810), *Ind.*

viridana OLIV., Encycl. méth., vii, 636 (1792), *Ternate, Amboine, Bande, Afr., Amér. espagnole.*

wheeleri THOM., Rep. U. S. geol. surv. w. 100 mer., v, 849 (1875), *West. U. S.* — WESTW., Rev. Mant., 11 (1889), *Col.*

Mantis (Acontista)

cingulata BURM., Handb. ent., ii, 542 (1838), *Jam.*

Mantis (Cardioptera)

mexicana SAUSS., Rev. mag. zool., 1861, 127 (1861), *Mex.*; Orth. nova amer., ii, 2 (1861), *Id.*

sumichrasti SAUSS., Rev. mag. zool., 1861, 126 (1861), *Mex.*; Orth. nova amer., ii, 1 (1861), *Id.*

Mantis (Epaphrodita)

musarum GUÉR., Sagra, Hist. nat. Cuba, 347 (1857), *Cuba, Martin.*

Mantis (Harpax)

musarum DE HAAN, Bijdr. kenn. Orth., 60 (1842), *St. Dom.*

Mantis (*Oxypilus*)

venusta DE HAAN, Bijdr. kenn. Orth., 60 (1842), *St. Dom.*

Mantis (*Photina*)

cecurianis BURM., Handb. ent., ii, 532 (1838), *Mex.*

hyalina BURM., Handb. ent., ii, 532 (1838), *Mittelamerika.*

viridimargo BURM., Handb. ent., ii, 532 (1838), *Mex.*

Mantis (*Stagmatoptera*)

antillarum SAUSS., [Stigm-] Rev. mag. zool., 1859, 60 (1859), *St. Thom.*;
[Stigm-] Orth. nova amer., i, 1 (1859), *Id.*

azteca SAUSS., [Stigm-] Rev. mag. zool., 1859, 60 (1859), *Mex.*; [Stigm-]
Orth. nova amer., i, 1 (1859), *Id.*

carolina BURM., Handb. ent., ii, 538 (1838), *S. C.*

ferox SAUSS., [Stigm-] Rev. mag. zool., 1859, 60 (1859), *Car.*; [Stigm-]
Orth. nova amer., i, 2 (1859), *Id.*

latipennis BURM., Handb. ent., ii, 538 (1838), *Mex.*

musarum BURM., Handb. ent., ii, 537 (1838), *St. Dom. or Afr.*

tolteca SAUSS., Rev. mag. zool., 1861, 127 (1861), *Mex.*; Orth. nova amer.,
ii, 2 (1861), *Id.*

Mantis (*Stagmomantis*)

carolina HOW., Proc. ent. soc. Wash., ii, 251-252 (1892).

Mantis (*Thespis*)

parva WESTW., Drury, Ins., ii, 84, pl. 39, fig. 5 (1837), *Amer.*

Mantoida

maya SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 125, pl. 10, figs. 26, 27
(1894), *Mex.*

Marsa

arcuata WALK., Cat. Derm. salt. Brit. mus., ii, 254 (1869), *Saskatchewan.*

Mastax

gundlachi SCUDD., Proc. Bost. soc. nat. hist., xvii, 266-267 (1875), *Cuba*;
Ent. notes, iv, 20-21 (1875), *Id.* — BOL., Mém. soc. zool. France, i, 141 (1888),
Id.; Orth. Cuba, 26 (1888), *Id.* — GUNDL., Ent. cub., ii, 335-337 (1890), *Id.* —
SCUDD., Proc. Bost. soc. nat. hist., xxvii, 208 (1896).

Masyntes

gundlachi KARSCH, Ent. nachr., xv, 31-32, 36⁷ (1889), *Cuba*. — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 208, 217 (1896). — BURR, Ess. Eumast., 16, 60-61, pl. 9, fig. 10 (1899), *Id.*

Mecostethus

gracilis MORSE, Psyche, vii, 327, 444-445, pl. 7, fig. 14 (1896), *N. E.* — PIERS, Trans. Nova Scot. inst. sc., ix, 215 (1896), *Nova Scotia*. — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 254, 255 (1897), *Me., Red Riv., Nebr., Dak.* — HARV.-KNIGHT, Psyche, viii, 78 (1897), *Me.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Appal., viii, 306 (1898), *N. H., Can. border from Atl. to Rocky Mts.; Alp. Orth. N. A.*, 8 (1898), *Id.* — WALK., Can. ent., xxx, 126 (1898), *Ont., Manit.* — MORSE, Psyche, viii, 317, 319 (1899), *N. E.* — SCUDD., Cat. Orth. U. S., 29 (1900), *Nova Scotia to Dak.*; Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 155 (1900), *N. J.*

lineatus MORSE, Psyche, vii, 327, 443-444, pl. 7, fig. 13, 13ab (1896), *N. E.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 254-255, pl. 5, figs. 22, 22ab (1897), *N. E. to Ill. and Iowa*. — BALL, [-ithus] Proc. Iowa acad. sc., iv, 239 (1897), *Iowa*. — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 55-56, 63 (1898), *Ind.* — WALK., Ibid., xxx, 125 (1898), *Ont.* — MORSE, Psyche, viii, 317, 319 (1899), *N. E.* — SCUDD., Cat. Orth. U. S., 29 (1900), *North. U. S. e. Rocky Mts.*; Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 155 (1900), *N. J.*

platypterus MORSE, Psyche, vii, 327, 445, pl. 7, figs. 15, 15ab (1896), *N. E.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 255 (1897), *N. E.* — BALL, [-ithus] Proc. Iowa acad. sc., iv, 239 (1897), *Iowa*. — SCUDD., Cat. Orth. U. S., 29 (1900), *N. E.*; Psyche, ix, 101 (1900), *Id.*

Megaloblatta

rufipes SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 57, pl. 5, figs. 15-17 (1893), *Guat., Pan., Colomb., Brazil*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 44 (1900), *Costa Rica*.

Melanoplus

abditus OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*. — BALL, Ibid., iv, 241 (1897), *Id.*

ablutus SCUDD., Proc. Davenp. acad. nat. sc., vii, 185-186, pl. 8, fig. 3, (1899), *Calu.*; Cat. Orth. U. S., 53 (1900), *Id.*

abortivus WALK., Can. ent. xxx, 90-92 (1898), *Ont.*

acutus SCUDD., Proc. Davenp. acad. nat. sc., vii, 168, 171-172 (1899), *Minn.*; Cat. Orth. U. S., 53 (1900), *Id.*

affinis COQ., Inf. life, i, 227 (1889), *Calu.* — SCUDD., Rep. ent. soc. Ont.,

xxvi, 64 (1896), *Brit. Col., etc.*; Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.*; Rev. Mel., 132, 171-172, pl. 12, fig. 2 (1897), *Utah, Wyo., Wash., Brit. Col.*; Cat. Orth. U. S., 53 (1900), *Utah to Brit. Col.*

See also *Melanoplus devastator affinis*.

alaskanus SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Alaska, Brit. Col.*; Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.*; Rev. Mel., 132, 169-170, pl. 12, fig. 1 (1897), *Alaska, Brit. Col.*; Cat. Orth. U. S., 53 (1900), *Id.*

albus BALL., Proc. Iowa acad. sc., iv, 240 (1897), *Iowa*.

algidus SCUDD., Proc. Davenp. acad. nat. sc., vii, 195, 199-201, pl. 9, fig. 6 (1899), *Or.*; Cat. Orth. U. S., 53 (1900), *Id.*

alleni SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Iowa, Dak.*; Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 129, 273-274, pl. 18, fig. 6 (1897), *Iowa, Dak.*; Proc. Davenp. acad. nat. sc., vii, 186 (1899); Cat. Orth. U. S., 53 (1900), *Id.*

alpinus SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Alb. to Brit. Col., Idaho*; Proc. amer. phil. soc., xxxvi, 28, 35 (1897), *N. A.*; Rev. Mel., 137, 333-335, pl. 22, fig. 7 (1897), *Brit. Col., Alb., Idaho, Col.*; Appal., viii, 316 (1898), *Idaho, Alb.*; Alp. Orth. N. A., 18 (1898), *Id.*; Cat. Orth. U. S., 53 (1900), *Col. to Alb.*

altitudinum SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wyo., S. Dak., Mont.*; Proc. amer. phil. soc., xxxvi, 11, 33 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 127, 236-238, pl. 16, fig. 1 (1897), *Mont., S. Dak., Wyo., Col., N. Mex., Nebr.*; Appal., viii, 314-315, pl. 43, figs. 3, 5 (1898), *Id.*; Alp. Orth. N. A., 16-17, pl. 43, figs. 3, 5 (1898), *Id.*; Cat. Orth. U. S., 53 (1900), *Rocky Mt. region*; Psyche, ix, 125 (1900), *N. Mex.*

amplectens SCUDD., Proc. amer. phil. soc., xxxvi, 13, 14, 34 (1897), *N. A.*; Rev. Mel., 128, 260-261, pl. 17, fig. 7 (1897), *Ky.*; Cat. Orth. U. S., 53 (1900), *Id.*

amplus. See *Melanoplus marginatus amplus*.

angelicus SCUDD., Proc. amer. phil. soc., xxxvi, 22, 32 (1897), *N. A.*; Rev. Mel., 133, 202-203, pl. 13, fig. 10 (1897), *Cal.*; Cat. Orth. U. S., 53 (1900), *Id.*

angustipennis BRUN., Bull. Washb. coll., i, 138 (1885), *Kans., Tex., Dak., Cal.*; Bull. div. ent. U. S. dep. agric., xiii, 11 (1887), *Tex.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*. — BRUN., Bull. div. ent. U. S. dep. agric., xxxviii, 24-25, fig. 12 (1893), *Mont., N. Dak., S. Dak., Iowa, Nebr., Kans., Tex.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 26, 34 (1897), *N. A.* — BALL., Proc. Iowa acad. sc., iv, 240 (1897), *Iowa*. — BRUN., Ann. rep. Nebr. bd. agric., 1896, 107, 121-122, 136, fig. 23 (1897), *Nebr.* — SCUDD., Rev. Mel., 136, 305-306, pl. 20, fig. 6 (1897), *Nebr., Mont., Ind., Minn.* — BLATCHL., Can. ent., xxx, 58-59, 64 (1898), *Ind.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44 (1898), *Nebr.* — LUGG., Orth. Minn., 198-199, fig. 123 (1898), *Minn.* — BRUN., Rep. Nebr. bd. agric., 1899, 270, fig. 58 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 53 (1900), *Ind. to Mont.*

arboreus SCUDD., Proc. amer. phil. soc., xxxvi, 31, 35 (1897), *N. A.*; Rev. Mel., 139, 372-373, pl. 25, fig. 5 (1897), *Tex., Ariz.*; Cat. Orth. U. S., 53 (1900), *Id.*

arcticus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Arct. amer.*

aridus SCUDD., Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *N. A.*; Rev. Mel., 125, 209-210, pl. 14, fig. 3 (1897), *Ariz.*—COCK., Ent. news, x, 43 (1899), *N. Mex.*—SCUDD., Cat. Orth. U. S., 53 (1900), *Ariz.*

arizonae SCUDD., Proc. Bost. soc. nat. hist., xx, 64 (1879), *Ariz.*; Cent. Orth., 53 (1879), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Id.*—SCUDD., Proc. amer. phil. soc., xxxvi, 28, 29, 35 (1897), *N. A.*; Rev. Mel., 137, 340-341 (1897), *Ariz.*; Cat. Orth. U. S., 54 (1900), *Id.*

artemisiae SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Idaho*; Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *N. A.*; Rev. Mel., 125, 217-218, pl. 14, fig. 8 (1897), *Idaho*; Proc. Davenp. acad. nat. sc., vii, 168 (1899); Cat. Orth. U. S., 54 (1900), *Id.*

ascensus SCUDD., Appal., viii, 315 (1898), *Cala., Oreg.*; Alp. Orth. N. A., 17 (1898), *Id.*; Proc. Davenp. acad. nat. sc., vii, 195, 196-197, pl. 9, fig. 3 (1899), *Id.*; Cat. Orth. U. S., 54 (1900), *Id.*

ater SCUDD., Proc. amer. phil. soc., xxxvi, 17, 22, 32 (1897), *N. A.*; Rev. Mel., 133, 194-195, pl. 13, fig. 2 (1897), *Cala.*; Cat. Orth. U. S., 54 (1900), *Id.*

atlanis SCUDD., [-ntis] Proc. Bost. soc. nat. hist., xix, 285-288 (1878), *N. E., Brit. Col., Alaska*; [-ntis] Ent. notes, vi, 44-47 (1878, *Id.*); Rep. U. S. ent. comm., ii, App., 24, pl. 17, fig. 6 (1880), *Nev., Wash., Oreg., Vanc.*—BRUN., Ibid., iii, 60 (1883), *North. U. S., Brit. Amer.*; Can. ent., xvii, 17 (1885), *Wash.*; Bull. Washb. coll., i, 137-138 (1885), *Gulf Mex. to Alaska, Atl. to Pac.*—RIL., Rep. U. S. ent., 1885, 233, pl. 8, figs. 7a-c (1886), *N. H.*—BRUN., Ibid., 1885, 303, 304, 306, 307 (1886); Bull. div. ent. U. S. dep. agric., xiii, 11 (1887), *Tex.*—CAULF., [-ntis] Rep. ent. soc. Ont., xviii, 71 (1888), *Can.*—COMST., [-ntis] Intr. ent., 108, 110 (1888).—FERN., Ann. rep. Mass. agric. coll., xxv, 115, 117 (1888), *N. E.*; Orth. N. E., 31, 33 (1888), *Id.*—FLETCH., Ann. rep. ent. soc. Ont., xix, 10 (1889), *Ont.*; Rep. exp. farms Can. 1888, 63 (1889), *Ottawa.*—DAV., Ent. amer., v, 81 (1889), *Staten Is.*—MARL., Ins. life, ii, 66-70 (1889), *N. H.*—SMITH, Cat. ins. N. J., 413 (1890), *N. J.*—BLATCHL., Can. ent., xxiii, 98 (1891), *Ind.*—BRUN., Ibid., xxiii, 192 (1891); Ins. life, iii, 229 (1891); Ibid., iv, 21, 146 (1891); Rep. ent. soc. Ont., xxii, 48 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891); Rep. st. bd. agric. Nebr., 1891, 243, 306 (1891).—MCNEILL, Psyche, vi, 73-74 (1891), *Ill.*—WEED, Can. ent., xxiv, 278 (1892), *Miss.*—BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 12-29 (1892); Ibid., xxviii, 29-30, figs. 14a-c (1893), *Mex. bound. to lat. 53°, Atl. to Pac.*; Ibid., xxx, 35 (1893), *Nebr.*; Publ. Nebr. acad. sc., iii, 28 (1893), *Id.*; Rep. Nebr. bd. agric., 1893, 459 (1893), *Id.*—REDT., Wanderheusch., 32 (1893), *U. S.*—OSB., Ins. life, v, 323-325 (1893), *Mo.*—BRUN., Ibid., vi, 34 (1893), *Col.*—OSB., Ibid., vi, 80-81 (1893).—BRUN., Rep. st. hort. soc. Nebr., 1894, 163 (1894); Bull. div. ent. U. S. dep. agric., xxxii, 12 (1894),

Col.—MORSE, Psyche, vii, 106 (1894), *N. E.*—BEUT., Bull. amer. mus. nat. hist., vi, 306 (1894), *N. Y.*—SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1894), *Nova Scotia to Vanc.*—BRUN., Nebr. st. hort. rep., 1895, 69 (1895).—LINTN., Rep. st. mus. N. Y. xlviii, 440–443 (1895); *Ibid.*, xlix, 271 (1896).—PIERS, Trans. Nova Scot. inst. sc., ix, 215–218 (1896), *Nova Scotia, Sable Is.*—BLATCHL., Orth. Ind., 21 (1897), *Ind.*—BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 31–34, 37 (1897), *Col., Wyo., Utah, Nebr., Snake Riv.*—HARV.—KNIGHT, Psyche, viii, 77 (1897), *Me.*—SCUDD., Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.*—BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 108, 117, 136, fig. 16 (1897), *Nebr.*—SCUDD., Rev. Mel., 132, 178–183, pl. 12, fig. 7 (1897), *N. A. [with detailed localities]*; Appal. viii, 313–314 (1898), *N. A.*; Alp. Orth. N. A., 15–16 (1898), *Id.*—BLATCHL., Can. ent., xxx, 64 (1898), *Ind.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44, 46, 48, 50, 51, 52 (1898), *Nebr., Col., Utah, Wash., Wyo., S. Dak.*—LUGG., Orth. Minn., 190–193, figs. 116–118 (1898), *Minn.*—MORSE, Psyche, viii, 256, 259, 279, pl. 7, figs. 36, 36 a–d (1898), *N. E.*; *Ibid.*, viii, 321 (1899), *Id.*—WALK., Can. ent., xxxi, 30 (1899), *Ont.*—HUNT., Contr. ent. lab. univ. Kans., lxxv, 11, 19 (1899), *Kans.*—MCNEILL, Psyche, viii, 344, 366–367 (1899), *Ark.*—BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899); Rep. Nebr. bd. agric., 1899, 247, 271 (1899), *Nebr.*—SCUDD., Cat. Orth. U. S., 54 (1900), *Most of U. S. and Can.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., xxii, 35–37 (1900), *Minn.; N. Dak.*—FOGG, Proc. Manch. inst. arts. sc., i, 43 (1900), *N. H.*—HUNT.—SUTT., Psyche, ix, 77 (1900), *Kans.*—SCUDD., *Ibid.*, ix, 102 (1900), *N. E.*—SMITH, Ins. N. J., 155 (1900), *N. J.*—FLETCH., Bull. div. ent. U. S. dep. agric., n. s., xxvi, 95 (1900), *Manit.*

atlanis caeruleipes COCK., Ent., xxi, 301 (1888), *Col.*; *Ibid.*, xxii, 127 (1889).

atlantis. See *Melanoplus atlanis*.

attenuatus SCUDD., Proc. amer. phil. soc., xxxvi, 13, 34 (1897), *N. A.*; Rev. Mel., 128, 259–260, pl. 17, fig. 6 (1897), *N. C.*; Cat. Orth. U. S., 54 (1900), *Id.*

baconi MCNEILL, Psyche, viii, 345, 369–370 (1899), *Ark.*—SCUDD., Cat. Orth. U. S., 54 (1900), *Id.*

bilituratus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Souris Riv., Vanc.*—SCUDD., *Ibid.*, xxvi, 64 (1896), *Vanc., Brit. Col., etc.*; Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.*—SCUDD., Rev. Mel., 132, 174–176, pl. 12, fig. 5 (1897), *Brit. Col., Wash., Oreg., Nev., Mont.*; Cat. Orth. U. S., 54 (1900), *Mont. to Oreg. and Brit. Col.*

See also *Caloptenus (Melanoplus) bilituratus*.

bispinosus SCUDD., Proc. amer. phil. soc., xxxvi, 25, 34 (1897), *N. A.*; Rev. Mel., 135, 292–293, pl. 19, fig. 6 (1897), *Tex.*; Cat. Orth. U. S., 54 (1900), *Id.*

bivittatus SCUDD., Hitchc., Rep. geol. N. H., i, 378 (1874), *N. H., etc.*

Rep. U. S. ent. comm., ii, App., 24 (1881), *Utah*.—BRUN., *Ibid.*, iii, 60 (1883), *East. and centr. U. S., Brit. amer.*; Bull. Washb. coll., i, 159 (1885), *Kans., Atl. to Pac., Gulf to Saskatch.*—RIL., Rep. U. S. ent., 1885, 233 (1886).—BRUN., *Ibid.*, 1885, 307 (1886), *Yellowstone*.—RIL., *Ins. life*, ii, 27 (1889), *Utah*.—FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Victoria*.—SMITH, Cat. ins. N. J., 413 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890).—TOWNS., Proc. ent. soc. Wash., ii, 43 (1891).—BLATCHL., Can. ent., xxiii, 99–100 (1891), *Ind.*—BRUN., *Ibid.*, xxiii, 193 (1891); *Ins. life*, iii, 229 (1891); *Ibid.*, iv, 21–22, 146 (1891); Rep. ent. soc. Ont., xxii, 48 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891); *Ibid.*, xxvii, 12–29, 33 (1891); Rep. st. bd. agric. Nebr., 1891, 243, 307–308, figs. 85, 86 (1891).—MCNEILL, *Psyche*, vi, 74 (1891), *Ill.*—KELL., *Ins. life*, v, 116 (1892), *Kans.*; *Inj. ins. Kans.*, 42–43, figs. 22, 23b (1892), *Id.*—OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*.—NUTT., Bull. lab. nat. hist. univ. Iowa, ii, 291 (1893), *N. W. T.*—BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 19–21, fig. 8 (1893), *Saskatch. to Gulf, Atl. to Pac.*; *Ibid.*, xxx, 35 (1893), *Nebr.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Id.*; Rep. Nebr. st. bd. agric., 1893, 461–462, figs. 104, 105 (1893), *Id.*; *Ins. life*, vi, 34 (1893), *Col.*—COCK., Trans. amer. ent. soc., xx, 337 (1894), *Id.*—BRUN., Rep. st. hort. soc. Nebr., 1894, 163, 205, fig. 71 (1894); Bull. div. ent. U. S. dep. agric., xxxii, 12 (1894), *Col.*—MORSE, *Psyche*, vii, 106 (1894), *N. E.*—BLATCHL., Can. ent., xxvi, 244–245 (1894), *Ind.*—BEUT., Bull. amer. mus. nat. hist., vi, 308, pl. 8, fig. 8 (1894), *N. Y.*—BRUN., Nebr. st. hort. rep., 1895, 69 (1895).—SCUDD., Rep. ent. soc. Ont., xxvi, 65 (1896), *Brit. Col. to Manit.*—LINTN., Rep. st. mus. N. Y., xlix, 272 (1896).—BLATCHL., Orth. Ind., 21 (1897), *Ind.*—BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 31–33, 37 (1897), *Col., Utah, Nebr.*—SCUDD., Proc. amer. phil. soc., xxxiv, 31, 35 (1897), *N. A.*—BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa*.—BRUN., Ann. rep. Nebr. bd. agric., 1896, 107, 118–119, 137, figs. 18, 19 (1897), *Nebr.*—SCUDD., Rev. Mel., 138, 363–368, pl. 24, fig. 5 (1897), *Ohio, Ind., Ill., Mo., Iowa, Minn., Manit., S. Dak., Nebr., Kans., Tex., Col., Utah, Wyo., Assin., Alberta, Wash., Tenn., Miss., Nev., Idaho, Brit. Col.*—BLATCHL., Can. ent., xxx, 64 (1898), *Ind.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44, 45, 46, 47, 48 (1898), *Nebr., Kans., Col.*—LUGG., Orth. Minn., 206–208, figs. 133–135 (1898), *Minn.*—COCK., Ent. news, x, 44 (1899), *N. Mex.*—HUNT., Contr. ent. lab. univ. Kans., lxxv, 11, 13, 19 (1899), *Kans.*—MCNEILL, *Psyche*, viii, 343, 345 (1899), *Ark.*—BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 80 (1899); Rep. Nebr. bd. agric., 1899, 247, 270, fig. 50 (1899).—WEBST.-MALLY, Bull. div. ent. U. S. dep. agric., n. s., xx, 70 (1899), *Ohio*.—BLATCHL., Gleanings, 244, fig. 70 (1899), *Ind.*—SCUDD., Cat. Orth. U. S., 54–55 (1900), *South. Can. to Gulf exc. Atl. st.; Wash., Brit. Col.*—HUNT., Bull. div. ent. U. S. dep. agric., n. s., xxii, 35–37 (1900), *Minn., N. Dak.*—SMITH, *Ins. N. J.*, 156 (1900), *N. J.*

bivittatus femoratus MORSE, *Psyche*, vii, 106 (1894), *N. E.*

blandus SCUDD., Proc. Davenport acad. nat. sc., vii, 161–162, pl. 7, fig. 3 (1890), *Cal.*; Cat. Orth. U. S., 55 (1900), *Id.*

blatchleyi SCUDD., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 129, 322-323, pl. 21, fig. 10 (1897), *Nebr., Mo., Ill., Ind., Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 62, 64 (1898), *Ind.* — LUGG., Orth. Minn., 186-188, figs. 112-114 (1898), *Minn.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 196 (1899); Cat. Orth. U. S., 55 (1900), *Ind. to Nebr. and Minn.*

borckii SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wash., Idaho, Mont.*; Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.*; Rev. Mel., 127, 243-244, pl. 16, fig. 6 (1897), *Cal., Wash., Mont., Idaho, Wyo.*; Proc. Davenp. acad. nat. sc., vii, 174 (1899); Cat. Orth. U. S., 55 (1900), *Wyo. to Wash.*

borealis CAULE., Rep. ent. soc. Ont., xviii, 71 (1888), *Labr.* — BEUT., Bull. amer. mus. nat. hist., vi, 308 (1894), *N. J.* — SCUDD., Psyche, vii, 320 (1895), *Labr.*; Rep. ent. soc. Ont., xxvi, 64 (1896), *Hudson Bay, Greenl., Labr.*; Proc. amer. phil. soc., xxxvi, 23, 34 (1897), *N. A.*; Rev. Mel., 134, 270-272, pl. 1, fig. d, pl. 18, fig. 5 (1897), *Labr., Greenl., Hudson Bay, Norway?, Chili?*; Appal., viii, 315 (1898), *Id.*; Alp. Orth. N. A., 17 (1898), *Id.*; Cat. Orth. U. S., 55 (1900), *Arct. Amer.* — CAUD., Proc. Wash. acad. sc., ii, 511-512 (1900), *Alaska.*

bowditchi SCUDD., Proc. Bost. soc. nat. hist., xx, 72-74 (1879), *Col.*; Cent. Orth., 61 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — SCUDD., Proc. amer. phil. soc., xxxvi, 18, 32 (1897), *N. A.*; Rev. Mel., 131, 157-158, pl. 11, fig. 3 (1897), *Kans., Col., N. Mex.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 163 (1899); Cat. Orth. U. S., 55 (1900), *Kans. to N. Mex.*

bruneri SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Alberta, etc.*; Proc. amer. phil. soc., xxxvi, 19, 32 (1897), *N. A.*; Rev. Mel., 132, 164-166, pl. 11, fig. 7 (1897), *Wash., Alberta, Mont., Nebr., Col., Idaho*; Cat. Orth. U. S., 55 (1900), *Wash. to Alb. and Nebr.*

caeruleipes. See *Melanoplus atlanis caeruleipes* and *Melanoplus spretus caeruleipes*.

calidus SCUDD., Proc. Davenp. acad. nat. sc., vii, 203-204 (1899), *N. Mex.*; Cat. Orth. U. S., 55 (1900), *Id.*

cancri SCUDD., Proc. amer. phil. soc., xxxvi, 9, 33 (1897), *N. A.*; Rev. Mel., 126, 219-220, pl. 14, fig. 10 (1897), *Lower Cal.*; Proc. Davenp. acad. nat. sc., vii, 168 (1899).

canonicus SCUDD., Proc. amer. phil. soc., xxxvi, 26, 34 (1897), *N. A.*; Rev. Mel., 135, 300-301, pl. 20, fig. 1 (1897), *Ariz.*; Cat. Orth. U. S., 55 (1900), *Id.*

cenchri McNEILL, Psyche, vi, 74-75 (1891), *Ill.*

cinereus SCUDD., Proc. Bost. soc. nat. hist., xix, 288, 290 (1878), *Cal., Nev., Wash., Utah, Tex.*; Ent. notes, vi, 47, 49 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 24, pl. 17, figs. 1, 4, 5 (1880), *Utah, Nev., Wash.* — BRUN., *Ibid.*, iii, 60 (1883), *Cal., Nev., Wash.*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884); Can. ent., xvii, 17 (1885), *Wash.* — COQ., Rep. U. S. ent., 1885, 291-

293, 295, 297 (1886), *Cala.*—BRUN., *Ibid.*, 1885, 307 (1886), *Yellowstone.*—RIL., *Ins. life*, ii, 27 (1889), *La.*—KOE., *Bull. div. ent. U. S. dep. agric.*, xxii, 94 (1890), *Cala.*—BRUN., *Publ. Nebr. acad. sc.*, ii, 28 (1893), *Nebr.*; *Rep. Nebr. st. bd. agric.*, 1893, 460 (1893); *Rep. st. hort. soc. Nebr.*, 1894, 163 (1894); *Ibid.*, 1895, 69 (1895).—SCUDD., *Rep. ent. soc. Ont.*, xxvi, 66 (1896), *Wash., Idaho, Wyo.*; *Proc. amer. phil. soc.*, xxxvi, 25, 34 (1897), *N. A.*; *Rev. Mel.*, 135, 296–298, pl. 19, fig. 9 (1897), *Wash., Idaho, Wyo., Cala., Utah, Ariz., Tex., La., Nebr., Nev.*—BRUN., *Rep. Nebr. bd. agric.*, 1896, 136 (1897), *Nebr.*—SCUDD., *Proc. Davenp. acad. nat. sc.*, vii, 190 (1899).—BRUN., *Rep. Nebr. st. hort. soc.*, 1899, 133 (1899).—SCUDD., *Cat. Orth. U. S.*, 55 (1900), *Miss. Riv. to Pac.*

clypeatus SCUDD., *Can. ent.*, xii, 75 (1880); *Proc. amer. phil. soc.*, xxxvi, 30, 35 (1897), *N. A.*; *Rev. Mel.*, 138, 357–358, pl. 24, fig. 2 (1897), *Geo.*; *Cat. Orth. U. S.*, 55 (1900), *Id.*

coccineipes SCUDD., *Rep. ent. soc. Ont.*, xxvi, 64 (1896), *Lake Superior, etc.*; *Proc. amer. phil. soc.*, xxxvi, 26, 34 (1897), *N. A.*; *Rev. Mel.*, 136, 303–304, pl. 20, figs. 3–5 (1897), *Ont., Nebr., Kans., Col., Utah*; *Cat. Orth. U. S.*, 56 (1900), *Ont. to Utah.*

cockerelli SCUDD., *Psyche*, ix, 124–125 (1900), *N. Mex.*

collaris SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 286–287, 288, 289 (1878), *Cala.*; *Ent. notes*, vi, 45–46, 47, 48 (1878), *Id.*; *Can. ent.*, xi, 75 (1880).—BRUN., *Rep. U. S. ent. comm.*, iii, 60 (1883), *Id.*

collinus SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 284, 285 (1878), *Vt., Mass.*; *Ent. notes*, vi, 43, 44 (1878), *Id.*—BRUN., *Rep. U. S. ent. comm.*, iii, 60 (1883), *Vt.*—FERN., *Ann. rep. Mass. agric. coll.*, xxv, 115, 116 (1888), *N. E.*; *Orth. N. E.*, 31, 32 (1888), *Id.*—DAY., *Ent. amer.*, v, 81 (1889), *Staten Is.*—SMITH, *Cat. ins. N. J.*, 413 (1890), *N. J.*—BLATCHL., *Can. ent.*, xxiii, 99 (1891), *Ind.*—MCNEILL, *Psyche*, vi, 74 (1891), *Ill.*—SMITH, *Bull. N. J. exp. st.*, xc, 34 (1892), *N. J.*—MORSE, *Psyche*, vi, 406 (1893), *Mass.*—BRUN., *Publ. Nebr. acad. sc.*, iii, 28 (1893), *Nebr.*—MORSE, *Psyche*, vii, 53 (1894).—BLATCHL., *Can. ent.*, xxvi, 244 (1894), *Ind.*—BEUT., *Bull. amer. mus. nat. hist.*, vi, 306–307 (1894), *N. Y.*—SCUDD., *Rep. ent. soc. Ont.*, xxvi, 66 (1896), *Me., N. H.*—BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.*—SCUDD., *Proc. amer. phil. soc.*, xxxvi, 28, 29, 35 (1897), *N. A.*; *Psyche*, viii, 102 (1897), *Vt.*—BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 137 (1897), *Nebr.*—SCUDD., *Rev. Mel.*, 138, 346–349, pl. 23, fig. 6 (1897), *Me., N. H., Vt., Mass., Conn., Ill., Ind., W. Va., N. Y., N. J.*—BLATCHL., *Can. ent.*, xxx, 64 (1898), *Ind.*—MORSE, *Psyche*, viii, 256, 259, 264, pl. 7, figs. 43, 43a–b (1898), *N. E.*—WALK., *Can. ent.*, xxxi, 33–34 (1899), *Ont.*—SCUDD., *Cat. Orth. U. S.*, 56 (1900), *Northeast. U. S.*; *Psyche*, ix, 103 (1900), *N. E.*—SMITH, *Ins. N. J.*, 156 (1900), *N. J.*

compactus BRUN., *Scudd.*, *Proc. amer. phil. soc.*, xxxvi, 27, 34 (1897), *N. A.*—SCUDD., *Rev. Mel.*, 136, 316–317, pl. 21, fig. 6 (1897), *Dak., Nebr.*; *Cat. Orth. U. S.*, 56 (1900), *Id.*

complanatipes SCUDD., *Proc. amer. phil. soc.*, xxxvi, 25, 26, 34 (1897), *N. A.*; *Rev. Mel.*, 135, 298–300, pl. 19, fig. 10 (1897), *Lower Cala.*

completus. See *Melanoplus dawsoni completus*.

comptus SCUDD., Proc. amer. phil. soc., xxxvi, 26, 34 (1897), *N. A.*; Rev. Mel., 136, 302-303, pl. 20, fig. 2 (1897), *Minn., Nebr.*; Cat. Orth. U. S., 56 (1900), *Id.*

confusus SCUDD., Proc. amer. phil. soc., xxxvi, 29, 35 (1897), *N. A.*; Rev. Mel., 137, 339-340, pl. 22, fig. 10 (1897), *Ky.*; Cat. Orth. U. S., 56 (1900), *Id.*

consanguineus SCUDD., Proc. amer. phil. soc., xxxvi, 21, 32 (1897), *N. A.*; Rev. Mel., 133, 192-193, pl. 12, fig. 10 (1897), *Cal.*; Cat. Orth. U. S., 56 (1900), *Id.*

conspersus SCUDD., Proc. amer. phil. soc., xxxvi, 27, 34 (1897), *N. A.*; Rev. Mel., 136, 315-316, pl. 21, fig. 5 (1897), *Nebr.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 56 (1900), *Id.*

conspicuus. See *Melanoplus devastator conspicuus*.

corpulentus BRUN., Scudd., Proc. amer. phil. soc., xxxvi, 27, 34 (1897), *N. A.* — SCUDD., Rev. Mel., 136, 313-314, pl. 20, fig. 10 (1897), *Mex., N. Mex.*; Cat. Orth. U. S., 56 (1900), *N. Mex.* — REHN, Trans. amer. ent. soc., xxvii, 98 (1900), *Id.*

cuneatus SCUDD., Proc. amer. phil. soc., xxxvi, 17, 32 (1897), *N. A.*; Rev. Mel., 130, 147-148, pl. 10, fig. 5 (1897), *N. Mex., Ariz.*; Cat. Orth. U. S., 56 (1900), *Id.*

curtus SCUDD., Proc. Bost. soc. nat. hist., xx, 70 (1879), *Col.*; Cent. Orth., 59 (1879), *Id.* — BRUN., Rep. U. S., ent. comm., iii, 61 (1883), *Id.*; Can. ent., xvii, 17 (1885); Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — MORSE, Psyche, vii, 53 (1894).

See also *Melanoplus fasciatus curtus*.

cyanipes COQ., Ins. life, i, 227 (1889), *Cal.* — BRUN., Rep. st. hort. soc. Nebr., 1894, 163 (1894). — LINTN., Rep. st. mus. N. Y., xlix, 272 (1896). — SCUDD., Proc. amer. phil. soc., xxxvi, 25, 34 (1897), *N. A.*; Rev. Mel., 135, 295-296, pl. 19, fig. 8 (1897), *Cal.*; Proc. Davenp. acad. nat. sc., vii, 190 (1899). — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth. U. S., 56 (1900), *Id.*

dawsoni SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Manit. to Alberta*; Proc. Bost. soc. nat. hist., xxvii, 208, 218 (1896); Proc. amer. phil. soc., xxxvi, 10, 23, 33 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 126, 134, 227-229, pl. 1, fig. a, pl. 15, fig. 5 (1897), *Alb.*, *Assin.*, *Mont.*, *N. Dak.*, *S. Dak.*, *Wyo.*, *Minn.*, *Manit.*, *Iowa*, *Nebr.*, *Col.*, *N. Mex.* — LUGG., Orth. Minn., 185-186, figs. 109-111 (1898), *Minn.* — MORSE, Psyche, viii, 318 (1899), *N. E.* — WALK., Can. ent., xxxi, 31 (1899), *Ont.*, *Manit.* — SCUDD., Cat. Orth. U. S., 56 (1900), *Manit. to Nebr. w. to Rocky Mts.*; Psyche, ix, 102 (1900), *N. E.*

dawsoni completus SCUDD., Rev. Mel., 227-229, pl. 1, fig. a (1897), *Dak.*, *Manit.*

dawsoni tellustris SCUDD., Rev. Mel., 227-228, pl. 15, fig. 5 (1897).

dealbatus SCUDD., Proc. Davenp. acad. nat. sc., vii, 190-192, pl. 8, figs. 7, 8 (1899), *Cal.*; Cat. Orth. U. S., 56 (1900), *Id.*

debilis SCUDD., Proc. Davenp. acad. nat. sc., vii, 196, 201-202, pl. 9, fig. 7 (1899), *Oreg.*; Cat. Orth. U. S., 56 (1900), *Id.*

decorus SCUDD., Proc. amer. phil. soc., xxxvi, 13, 33 (1897), *N. A.*; Rev. Mel., 128, 257-258, pl. 17, fig. 5 (1897), *N. C.*; Proc. Davenp. acad. nat. sc., vii, 183 (1899); Cat. Orth. U. S., 56 (1900), *Id.*

defectus SCUDD., Proc. amer. phil. soc. xxxvi, 20, 32 (1897), *N. A.*; Rev. Mel., 132, 177-178, pl. 12, fig. 6 (1897), *Col.* — BRUN., Rep. Nebr. bd. agric., 1899, 247 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 56 (1900), *Col.*

deletor SCUDD., Cent. Orth., 84 (1879); Proc. amer. phil. soc. xxxvi, 29, 35 (1897), *N. A.*; Rev. Mel., 137, 343-344, pl. 23, fig. 2 (1897), *Tex., Miss., Geo., Fla.*; Cat. Orth. U. S., 57 (1900), *Gulf st.*

devastator SCUDD., Proc. Bost. soc. nat. hist., xix, 287-288, 289-290 (1878), *Cal., Nev., Col.*; Ent. notes, vi, 46-47, 48-49 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 24, pl. 17, figs. 2, 3, 19, 20 (1880), *Utah, Nev., Cal.* — BRUN., Bull. div. ent. U. S. dep. agric., ii, 11 (1883), *Mont.*; Rep. U. S. ent. comm., iii, 60 (1883), *Id.*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884); Bull. Washb. coll., i, 138 (1885), *Kans., Col., Oreg., Mont., Dak., Idaho, Wyo.* — RIL., Ent. amer., i, 177 (1885), *Pac. coast*; Rep. U. S. ent. 1885, 229-232, pl. 8, figs. 1-5a-c (1886), *Cal.* — COQ., *Ibid.*, 1885, 291-295, 297 (1886), *Id.* — BRUN., *Ibid.*, 1885, 306, 307 (1886), *Yellowstone.* — COQ., *Ins. life*, i, 227 (1889), *Cal.* — RIL., *Ibid.*, ii, 87 (1889), *Utah.* — BRUN., *Can. ent.*, xxiii, 193 (1891); *Ins. life*, iv, 21 (1891); Rep. ent. soc. Ont., xxii, 48 (1891). — COQ., Bull. div. ent. U. S. dep. agric., xxvii, 35-57 (1892), *Cal.*; *Ins. life*, v, 22-23 (1892). — REUT., *Wanderheuschr.*, 32-33 (1893), *Cal., Oreg., Nev., Dak., Mont., Idaho, Kans.* — BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 22-24, figs. 10a-d, 11a-c (1893), *Cal., Mont., Col., Ariz., Nev., Oreg.*; Rep. Nebr. st. bd. agric., 1893, 460, fig. 102 (1893), *Nebr.*; Rep. st. hort. soc. Nebr., 1894, 163, 205, fig. 70 (1894); *Ibid.*, 1895, 69 (1895). — LINTN., Rep. st. mus. N. Y., xlix, 272 (1896). — SCUDD., Proc. amer. phil. soc., xxxvi, 22, 32 (1897), *N. A.*; Rev. Mel., 133, 196-199, pl. 13, figs. 3-7 (1897), *Wash., Cal., Oreg., Nev., Ariz.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 79 (1899). — SCUDD., Cat. Orth. U. S., 57 (1900), *Pac. states, Nev., Ariz.*

devastator affinis SCUDD., Rev. Mel., 199, pl. 13, fig. 6 (1897), *Cal.*

devastator conspicuus SCUDD., Rev. Mel., 199, pl. 13, fig. 7 (1897), *Cal.*

devastator obscurus SCUDD., Rev. Mel., 198-199, pl. 13, figs. 3, 4 (1897), *Cal.*

devastator typicalis SCUDD., Rev. Mel., 199, pl. 13, fig. 5 (1897), *Cal.*

differentialis BRUN., Bull. Washb. coll., i, 139 (1885), *Kans.* — RIL., Rep. U. S. ent., 1885, 233 (1886). — COQ., *Ibid.*, 1885, 295, 297 (1886), *Cal.* — BRUN., Bull. Washb. coll., i, 200 (1886), *Kans.*; Bull. div. ent. U. S. dep. agric., xiii, 33 (1887), *Nebr.*; Rep. ent. Nebr. bd. agric., 1888, 88, fig. 4 (1888). — COMST., *Intr. ent.*, 108, 111, fig. 100 (1888). — BRUN., Bull. div. ent. U. S. dep. agric., xxii, 104 (1890). — SMITH, Bull. N. J. exp. st., K, 41 (1890). —

BLATCHL., Can. ent., xxiii, 90 (1891), *Ind.* — BRUN., Rep. st. bd. agric. Nebr., 1891, 243, 307, fig. 84 (1891); Can. ent., xxiii, 193 (1891); Ins. life, iii, 229 (1891). — MCNEILL, Psyche, vi, 74 (1891), *Ill.* — WEBST., Ins. life, iii, 300 (1891), *Ind.* — BRUN., Rep. ent. soc. Ont., xxii, 48 (1891); Ins. life, iv, 22 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891). — OSB., *Ibid.*, xxiii, 59 (1891). — BRUN., *Ibid.*, xxvii, 32-33 (1892). — RIL., Ins. life, iv, 393 (1892). — KELL., *Ibid.*, v, 116 (1892), *Kans.*; Inj. ins. *Kans.*, 42, figs. 20, 23a (1893), *Id.* — WEED, Can. ent., xxiv, 278 (1892), *Miss.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 4, 31, pl. 1 (1892), *N. J.* — REDT., Wanderheuschr., 32 (1893), *Iowa, Ill., Ark., Nebr., Dak., Mont.* — BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 15-17, fig. 5 (1893), *West of Allegh., south 43° n. l.*; *Ibid.*, xxx, 35 (1893), *Nebr.* — OSB., *Ibid.*, xxx, 47 (1893), *Kans.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 461, fig. 103 (1893), *Id.* — OSB., Papers Iowa ins., 58 (1893), *Iowa*; Ins. life, v, 323-324 (1893), *Mo.*; *Ibid.*, vi, 80-81 (1893). — BRUN., *Ibid.*, vi, 34 (1893), *Col.*; Rep. st. hort. soc. Nebr., 1894, 163, 204, fig. 67 (1894); Bull. div. ent. U. S. dep. agric., xxxii, 12 (1894), *Col.*; Nebr. st. hort. rep., 1895, 69 (1895). — LINTN., Rep. st. mus. N. Y., xlix, 271 (1896). — BLATCHL., Orth. *Ind.*, 21 (1897), *Ind.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 37 (1897), *Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 30, 35 (1897), *N. A.* — SEISS, Ent. news, viii, 141 (1897), *Penn., N. J.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — BRUN., Rep. Nebr. bd. agric., 1896, 107, 120-121, 137, figs. 20, 21 (1897), *Nebr.* — SCUDD., Rev. Mel., 138, 349-354, pl. 23, figs. 3, 4 (1897), *Wyo., Nebr., Iowa, Ind., Ill., Mo., Kans., Col., N. Mex., Miss., Tex., Cal., Mex., N. J.*; also *Ky., Ind. Terr., Nev., Ariz.* — BLATCHL., Can. ent., xxx, 62, 64 (1898), *Ind.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44, 45, 46, 48, 52 (1898), *Nebr., Kans., Col., S. Dak.* — LUGG., Orth. Minn., 204-206, figs. 130-132 (1898), *Minn.* — HUNT., Kans. univ. quart., vii, 205-206 (1898), *Kans.* — COCK., Ent. news, x, 43 (1899), *N. Mex.* — HUNT., Contr. ent. lab. univ. Kans., lxxv, 11, 13, 16, 17, 19, 20-49, figs. 1-4, 11-28, pl. 2-4 (1899), *Kans.* — MCNEILL, Psyche, viii, 343, 345 (1899), *Ark.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 76 (1899); Rep. Nebr. bd. agric., 1899, 247, 270, fig. 53 (1899), *Nebr.* — BLATCHL., Gleanings, 238-239, fig. 64 (1899), *Ind.* — REHN, Can. ent., xxxii, 28 (1900), *N. J., Penn.* — SCUDD., Cat. Orth. U. S., 57 (1900), *N. J. to Cal., Wyo. to N. Mex. and Tex.* — SMITH, Ins. N. J., 156 (1900), *N. J.*

diminutus SCUDD., Proc. amer. phil. soc., xxxvi, 21, 32 (1897), *N. A.*; Rev. Mel., 133, 190-191, pl. 12, fig. 9 (1897), *Cal.*; Cat. Orth. U. S., 57 (1900), *Id.*

discolor SCUDD., Proc. amer. phil. soc., xxxvi, 7, 32 (1897), *N. A.*; Rev. Mel., 124, 149-150, pl. 10, fig. 7 (1897), *Tex.*; Proc. Davenp. acad. nat. sc., vii, 160 (1899); Cat. Orth. U. S., 57 (1900), *Id.*

dumicola SCUDD., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 129, 318-319, pl. 21, fig. 7 (1897), *Tex.*; Proc. Davenp. acad. nat. sc., vii, 195 (1899); Cat. Orth. U. S., 57 (1900), *Id.*

elongatus SCUDD., Proc. amer. phil. soc., xxxvi, 18, 32 (1897), *N. A.*; Rev. Mel., 131, 160-161, pl. 11, fig. 5 (1897), *Kans., N. Mex., Mex.*; Proc. Davenport acad. nat. sc., vii, 163 (1899); Cat. Orth. U. S., 57 (1900), *Kans. to N. Mex.*

excelsus SCUDD., Proc. amer. phil. soc., xxxvi, 19, 32 (1897), *N. A.*; Rev. Mel., 132, 166-167, pl. 11, fig. 9 (1897), *Col.*; Appal., viii, 313, pl. 42, figs. 4, 5 (1898), *Id.*; Alp. Orth. N. A., 15, pl. 42, figs. 4, 5 (1898), *Id.*; Cat. Orth. U. S., 57 (1900), *Id.*

extremus BRUN., Can. ent., xvii, 18 (1885), *Wash., Mont., Idaho, Alberta.* — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Arct. Amer.* — SCUDD., *Ibid.*, xxvi, 64 (1896), *Quebec to Yukon*; Proc. amer. phil. soc., xxxvi, 24, 34 (1897), *N. A.*; Rev. Mel., 135, 287-290, pl. 1, figs. f, g, pl. 18, fig. 10 (1897), *Me., N. H., Vt., Mass., Ind., Ill., Nebr., Iowa, Wyo., Arct. Amer., Alaska, Alberta, Quebec*; Appal., viii, 315-316, pl. 43, figs. 4, 6 (1898), *North. U. S., Can., Alaska*; Alp. Orth. N. A., 17-18, pl. 43, figs. 4, 6 (1898), *Id.* — BLATCHL., Can. ent., xxx, 57-58, 64 (1898), *Ind.* — MORSE, Psyche, viii, 257, 259, 260, 292-293, pl. 7, figs. 41, 41a (1898), *N. E.*; *Ibid.*, viii, 317, 319 (1899), *Id.* — WALK., Can. ent., xxxi, 33 (1899), *U. S., Can.* — SCUDD., Cat. Orth. U. S., 57 (1900), *Northern U. S. and Can.*; Psyche, ix, 103 (1900), *N. E.*

extremus junius SCUDD., Rev. Mel., 288-289, pl. 1, fig. g, pl. 18, fig. 10 (1897).

extremus scandens SCUDD., Rev. Mel., 288-289, pl. 1, fig. f (1897), *Wyo., Mass., N. H.*

fasciatus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Hudson Bay.* — SCUDD., *Ibid.*, xxvi, 64 (1896), *Can.*; Proc. amer. phil. soc., xxxvi, 14, 23, 34 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 129, 134, 267-270, pl. 1, fig. c, pl. 18, figs. 2-4 (1897), *Wash., Alberta, Saskatch., Winnipeg, S. Dak., Col., Mo., Mich., Labr., Newfoundland, Anticosti, Me., N. H., Mass., Conn., Alaska; also Mont., Nebr., Assin., Manit., Minn., N. J.* — LUGG., Orth. Minn., 210-212, fig. 136½ (1898), *Minn.* — MORSE, Psyche, viii, 257, 260, 281, pl. 7, figs. 39, 39a (1898), *N. E.*; *Ibid.*, viii, 320, 321 (1899), *Id.* — WALK., Can. ent., xxxi, 31-32 (1899), *Ont.* — SCUDD., Cat. Orth. U. S., 57-58 (1900), *North. half U. S.*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.*

fasciatus curtus SCUDD., Rev. Mel., 268-270, pl. 18, figs. 2, 3 (1897).

fasciatus volaticus SCUDD., Rev. Mel., 268-270, pl. 1, fig. c, pl. 18, fig. 4 (1897), *Mich.*

femoratus SCUDD., Proc. Bost. soc. nat. hist., xix, 284, 285, 288 (1878), *N. E., Me to N. C., Wash., Brit. Col., Calu.*; Ent. notes, vi, 43, 44, 47 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 24 (1881), *Wash.* — BRUN., *Ibid.*, iii, 60 (1883), *Wash., Me., S. C., Brit. Col.*; Can. ent., xvii, 18 (1885), *Wash.* — CAULF., *Ibid.*, xviii, 212 (1886), *Montreal*; Rep. ent. soc. Ont., xviii, 71 (1888), *Can.* — COMST., Intr. ent., 108, 110, fig. 99 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 115, 116, fig. 13 (1888), *N. E.*; Orth. N. E., 31,

32, fig. 13 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — BRUN., Publ. Nebr. acad. scs jii, 27 (1893), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxvi, 65 (1896), *Nova Scotia to Brit. Col., N. to Hudson Bay.* — PRIERS, Trans. Nova Scot. inst. sc., ix, 218 (1896), *Nova Scotia.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 34 (1897), *Snake Riv.* — SCUDD., Proc. amer. phil. soc., xxxvi, 31, 35 (1897), *N. A.* — HARV.-KNIGHT, Psyche, viii, 77 (1897), *Me.* — SCUDD., Ibid., viii, 102 (1897). — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 138, 360-363, pl. 24, fig. 4 (1897), *Nova Scotia, Me., N. H., Vt., Mass., Conn., N. Y., Penn., Md., W. Va., Va., N. C., Ind., Mich., Manit., Ill., Iowa, Nebr., Col., Wyo., Alberta, Brit. Col., Cala., Hudson Bay, Quebec;* Appal., viii, 316 (1898), *Nova Scotia to Brit. Col., north. U. S.;* Alp. Opth. N. A., 18 (1898), *Id.* — MORSE, Psyche, viii, 257, 258, 294-295, pl. 7, fig. 44 (1898), *N. E.* — WALK., Can. ent., xxxi, 34 (1899), *Ont.* — SCUDD., Cat. Orth. U. S., 58 (1900), *Hudson Bay to N. C., Vanc. to south. Cala.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.*

See also *Caloptenus* (*Melanoplus*) *femoratus* and *Melanoplus bivittatus femoratus*.

femur nigrum SCUDD., Proc. Davenport. acad. nat. sc., vii, 165-167, pl. 7, fig. 4 (1899), *Ariz.;* Cat. Orth. U. S., 58 (1900), *Id.*

femur rubrum SCUDD., Hitchc., Rep. geol. N. H., i, 375-376 (1874), *E. of Rocky Mts.;* Proc. Bost. soc. nat. hist., xix, 284-290 (1878), *Vt., U. S.;* Ent. notes, vi, 43-49 (1878), *Id.;* Rep. U. S. ent. comm., ii, App., 24 (1881), *Utah, Nev., Cal., Or.* — BRUN., Ibid., iii, 60 (1883), *U. S., Brit. Amer.;* Can. ent., xvi, 17 (1885), *Wash.;* Bull. Washb. coll., i, 137 (1885), *Kans., Mex., Fla., Can., Brit. Col., Cala.* — FLETCH., Rep. ent. Can., 1885, 10, fig. 2 (1885). — CAULF., Can. ent., xviii, 212 (1886), *Montreal.* — RIL., Rep. U. S. ent., 1885, 233 (1886). — BRUN., Ibid., 1885, 303, 307 (1886); Bull. div. ent. U. S. dep. agric., xiii, 33 (1887), *Nebr.* — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Can.* — COMST., Intr. ent., 108, 110, figs. 83, 98 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 115, 117 (1888), *N. E.;* Orth. N. E., 31, 33 (1888), *Id.* — BRUN., Rep. ent. Nebr. bd. agric., 1888, 88, fig. 5 (1888). — FLETCH., Rep. exp. farms Can., 1888, 63, fig. 6 (1889); Ann. rep. ent. soc. Ont., xix, 10, fig. 7 (1889), *Can.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — RIL., Ins. life, ii, 87 (1889), *Utah.* — KOEB., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Cala.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.* — LINTN., Rep. ins. N. Y., vi, 151-153, fig. 23 (1890), *Va.* — SMITH, Bull. N. J. exp. st., K, 41 (1890). — TOWNS., Proc. ent. soc. Wash., ii, 43 (1891). — BLATCHL., Can. ent., xxiii, 98 (1891), *Ind.* — BRUN., Ibid., xxiii, 194 (1891); Ins. life, iii, 229 (1891); Ibid., iv, 22 (1891); Rep. ent. soc. Ont., xxii, 48-49 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891). — SOUTHW., Rep. ent. soc. Ont., xxii, 5 (1891). — COOK, Ibid., xxii, 5 (1891). — WEBST., Ibid., xxii, 5 (1891). — SOUTHW., Ins. life, iv, 24 (1891). — COOK, Ibid., iv, 24 (1891). — WEBST., Ibid., iv, 24 (1891). — OSB., Bull. div. ent. U. S.

dep. agric., xxiii, 59 (1891). — McNEILL, Psyche, iv, 74 (1891), *Ill.* — OSB., Goss, Bull. Iowa agric. exp. st., xv, 267 (1891). — BRUN., Ann. rep. st. bd. agric. Nebr., 1891, 243, 306, fig. 80 (1891); Bull. div. ent. U. S. dep. agric., xxvii, 24, 33 (1892). — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*. — KELL., Inj. ins. Kans., 41-42 (1892), *Kans.* — SMITH, Bull. N. J. exp. st., xc, 4, 6, 31, fig. 4f (1892), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 75 (1893). — REDT., Wanderheuschr., 31 (1893), *N. A.* — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 458-459 (1893), *Id.* — OSB., Ins. life, v, 323-325 (1893), *Mo.*; Papers Iowa ins., 57, fig. 27 (1893), *Iowa*. — SMITH, Ent. news, iv, 48 (1893). — BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 30-32, fig. 15 (1893), *Atl. to Pac., extr. north to Centr. Amer.*; *Ibid.*, xxx, 35 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — OSB., *Ibid.*, vi, 80-81 (1893). — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — MORSE, Psyche, vii, 53, 106 (1894), *N. E.* — BRUN., Rep. st. agric. soc. Nebr., 1894, 163, 205, fig. 68 (1894). — BEUT., Bull. amer. mus. nat. hist., vi, 306, pl. 8, fig. 7 (1894), *N. Y.* — ASHM., Ins. life, vii, 26 (1894), *Miss.* — BRUN., Nebr. st. hort. rep., 1895, 69 (1895). — COMST., Mail. study ins., 110, fig. 120 (1895), *U. S.*; Elem. ins. anat., 8-27 (1895). — LINTN., Rep. st. mus. N. Y., xlviii, 440-443, fig. 19 (1895). — SCUDD., Rep. ent. soc. Ont., xxvi, 64, fig. 33 (1896), *Can.* — MORSE, Journ. N. Y. ent. soc., iv, 20 (1896). — WILLC., Observer, vii, 184-192, figs. 1-4, 6-9, 11-16 (1896). — PIERS, Trans. Nov. Sc. inst. sc., ix, 215 (1896), *Nova Scotia*. — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 33, 37 (1897), *Utah, Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 24, 34 (1897), *N. A.*; Psyche, viii, 102 (1897), *Vt.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa*. — BRUN., Ann. rep. Nebr. bd. agric., 1896, 108, 117-118, 136, fig. 17 (1897), *Nebr.* — SCUDD., Rev. Mel., 134, 278-285, pl. 1, fig. h, pl. 19, figs. 1-4 (1897), *Nova Scotia, Quebec, U. S. (num. loc.)*; Appal., viii, 315 (1898), *N. A.*; Alp. Orth. N. A., 17 (1898), *Id.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 44, 46, 50, 51, 52 (1898), *Nebr., Col., Wash., Wyo., S. Dak.* — LUGG., Orth. Minn., 195-198, fig. 121, 122 (1898), *Minn.* — MORSE, Psyche, viii, 257, 258, 281-282, pl. 7, figs. 40, 40a-d (1898), *N. E.* — COCK., Ent. news, x, 43 (1899), *N. Mex.* — WALK., Can. ent., xxxi, 32-33 (1899), *Ont.* — HUNT., Contr. ent. lab. univ. Kans., lxxv, 19 (1899), *Kans.* — McNEILL, Psyche, viii, 344, 367 (1899), *Ark.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 77 (1899); Rep. Nebr. bd. agric., 1899, 247, 271 (1899), *Nebr.* — BLATCHL., Gleanings, 239, fig. 65 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 58 (1900), *N. A.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.* — McCLUNG, Kans. univ. quart., ix, 88 (1900). — DIMM., Springf. libr. bull., xx, 4 (1900) *Mass.* — DAY., Proc. amer. ass. adv. sc., xlix, 225 (1900 [1901]), *R. I.*

See also *Caloptenus* (*Melanoplus*) *femur rubrum*, and *Pezotettix* (*Melanoplus*) *femur rubrum*.

flabellatus SCUDD., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.*;

Rev. Mel., 128, 251-252, pl. 17, fig. 1 (1897), *Tex.*; Cat. Orth. U. S., 58 (1900), *Id.*

flabellifer SCUDD., Proc. Bost. soc. nat. hist., xx, 68 (1879), *Col.*; Cent. Orth., 57 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Col.*; Bull. Washb. coll., i, 200 (1886), *Kans., Col., Wyo., Mont., Idaho*; Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wyo., Mont., Idaho*; Proc. amer. phil. soc., xxxvi, 17, 32 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — SCUDD., Rev. Mel., 130, 148-149, pl. 10, fig. 6 (1897), *Mont., Kans., Col., Utah, N. Mex., Mex.*; also *Idaho, Wyo., Nebr.*; Cat. Orth. U. S., 58 (1900), *Mont. to N. Mex.*

flavescens SCUDD., Proc. amer. phil. soc., xxxvi, 17, 32 (1897), *N. A.*; Rev. Mel., 131, 155-156, pl. 11, fig. 7 (1897), *Cal.*; Proc. Davenp. acad. nat. sc., vii, 163 (1899); Cat. Orth. U. S., 59 (1900), *Cal.*

flavidus SCUDD., Proc. Bost. soc. nat. hist., xx, 74-75 (1879), *Col.*; Cent. Orth., 63 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Col., Nebr.*; Bull. Washb. coll., i, 138 (1885), *Kans., Col.*; Ibid., i, 200 (1886), *Kans.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 18, 32 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — SCUDD., Rev. Mel., 131, 158-160, pl. 11, fig. 4 (1897), *Mont., Nebr., Ill., Col., Tex., N. Mex., Ariz., Kans.*; Proc. Davenp. acad. nat. sc., vii, 163 (1899); Cat. Orth. U. S., 59 (1900), *Ill. and Mont. to Tex. and Ariz.*

flavoannulatus BRUN., Ins. life, iii, 140 (1890), *Idaho*.

fluviatilis BRUN., Ann. rep. Nebr. bd. agric., 1896, 136-137, fig. 34 (1897). *Nebr.* — SCUDD., Cat. Orth. U. S., 59 (1900), *Id.*

foedus SCUDD., Proc. Bost. soc. nat. hist., xx, 69-70 (1879), *Col.*; Cent. Orth., 58 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Col.*; Ins. life, iv, 146 (1891), *Idaho*; Bull. div. ent. U. S. dep. agric., xxvii, 29 (1892); Ibid., xxviii, 21-22, figs. 9ab (1893), *Col., Kans., Nebr., Wyo., Utah, Nev., Idaho, Mont., Dak., N. Mex.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 460 (1893); Bull. div. ent. U. S. dep. agric., n. s., vii, 31-34 (1897), *Col., Utah, Snake Riv.* — SCUDD., Proc. amer. phil. soc., xxxvi, 27, 34 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 107, 121, 137, fig. 22 (1897), *Nebr.* — SCUDD., Rev. Mel., 136, 311-313, pl. 20, fig. 9 (1897), *Col., Kans., Nebr., Wyo., Utah, Nev., Idaho, Mont., Dak., N. Mex.* — HUNT, Bull. div. ent. U. S. dep. agric., n. s., x, 44, 46 (1898), *Nebr., Col.* — BRUN., Rep. Nebr. bd. agric., 1899, 270, fig. 57 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 59 (1900), *Idaho and Dak. to N. Mex.*

franciscanus SCUDD., Proc. Davenp. acad. nat. sc., vii, 183-184, pl. 8, figs. 1, 2 (1899), *Ariz.*; Cat. Orth. U. S., 59 (1900), *Id.*

furcatus SCUDD., Proc. amer. phil. soc., xxxvi, 30, 35 (1897), *N. A.*; Rev. Mel., 138, 358-359, pl. 24, fig. 3 (1897), *Fla.*; Cat. Orth. U. S., 59 (1900), *Id.*

fuscipes McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.* — SCUDD., Rev. Mel., 128, 247-249, pl. 16, fig. 9 (1897), *Cal.*; Proc. Davenp. acad. nat. sc., vii, 175 (1899); Cat. Orth. U. S., 59 (1900), *Id.*

geniculatus SCUDD., Proc. amer. phil. soc., xxxvi, 11, 13 (1897), *N. A.*; Rev. Mel., 127, 239-240, pl. 16, fig. 3 (1897), *Mex.*

gillettei SCUDD., Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *N. A.*; Rev. Mel., 125, 215-216, pl. 14, fig. 7 (1897), *Col.*; Appal., viii, 314, pl. 43, figs. 1, 2 (1898), *Id.*; Alp. Orth. *N. A.*, 16, pl. 43, figs. 1, 2 (1898), *Id.*; Proc. Davenp. acad. nat. sc., vii, 168 (1899); Cat. Orth. U. S., 59 (1900), *Id.*

gladstoni BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Assin. to Nebr.*; Proc. amer. phil. soc., xxxvi, 23, 33 (1897), *N. A.*; Rev. Mel., 134, 229-230, pl. 1, fig. b, pl. 15, fig. 6 (1897), *Assin., Mont., Nebr., Col.* — LUGG., Orth. Minn., 194-195, fig. 120 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 59 (1900), *Assin. and Minn. to Col.*

glaucipes SCUDD., Can. ent., xii, 75 (1880); Proc. amer. phil. soc., xxxvi, 19, 32 (1897), *N. A.*; Rev. Mel., 131, 161-162, pl. 11, fig. 6 (1897), *Tex., Mex.*; Cat. Orth. U. S., 59 (1900), *Tex.*

gracilipes SCUDD., Proc. amer. phil. soc., xxxvi, 11, 33 (1897), *N. A.*; Rev. Mel., 127, 238-239, pl. 16, fig. 2 (1897), *Calu.*; Cat. Orth. U. S., 59 (1900), *Id.*

gracilis SCUDD., Proc. amer. phil. soc., xxxvi, 16, 35 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa*. — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 130, 327-328, pl. 22, fig. 3 (1897), *Iowa, Nebr., Mo., Ind.*; also *Dak., Ill., Ky.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — LUGG., Orth. Minn., 188-189 (1898), *Minn.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 203 (1899). — MCNEILL, Psyche, viii, 345, 367 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 59 (1900), *Ind. and Ky. to Nebr. and Dak.*

griseus BLATCHL., Can. ent., xxiv, 30-31 (1892), *Ind.* — BRUN., Publ. Neb. acad. sc., iii, 28 (1893), *Nebr.* — SCUDD., Psyche, vii, 55 (1894). — MORSE, Ibid., vii, 55 (1894). — BLATCHL., Can. ent., xxvi, 245 (1894), *Ind.*

helluo SCUDD., Proc. Bost. soc. nat. hist., xix, 285 (1878), *South. U. S.*; Ent. notes, vi, 44 (1878), *Id.*; Psyche, vii, 55 (1894). — MORSE, Ibid., vii, 55 (1894).

herbaceus BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 25-26, fig. 13ab (1893), *Tex., Mex.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — BRUN., Rep. st. hort. soc. Nebr., 1894, 163 (1894). — LINTN., Rep. st. mus. N. Y., xlix, 272 (1896). — SCUDD., Proc. amer. phil. soc., xxxvi, 17, 32 (1897), *N. A.*; Rev. Mel., 131, 153-155, pl. 10, fig. 10 (1897), *Tex., N. Mex., Ariz., Mex.* — COCK., Ent. news, x, 43 (1899), *N. Mex.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 163 (1899). — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth., U. S., 59 (1900), *Tex. to Ariz.*

humphreysii SCUDD., Proc. amer. phil. soc., xxxvi, 7, 33 (1897), *N. A.*; Rev. Mel., 125, 206-207 (1897), *Ariz.*; Cat. Orth. U. S., 59 (1900), *Id.*

huroni BLATCHL., Psyche, viii, 195-196 (1898), *Mich.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 175, 182 (1899), *Id.*; Cat. Orth. U. S., 59 (1900), *Id.*

immunis SCUDD., Proc. Davenp. acad. nat. sc., vii, 167, 170-171 (1899), *Oreg.*; Cat. Orth. U. S., 60 (1900), *Id.*

impiger SCUDD., Proc. amer. phil. soc., xxxvi, 26, 34 (1897), *N. A.*; Rev. Mel., 136, 306-308, pl. 20, figs. 7, 8 (1897), *Tex., Kans.* — LUGG., Orth. Minn., 199-201, figs. 124-126 (1898), *Minn.* — McNEILL, Psyche, viii, 344, 366 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 60 (1900), *Minn. to Tex.*

impudicus SCUDD., Proc. amer. phil. soc., xxxvi, 22, 32 (1897), *South. states*; Rev. Mel., 134, 204-205, pl. 14, fig. 1 (1897), *Geo., Miss.* — McNEILL, Psyche, viii, 345, 367 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 60 (1900), *Geo. to Ark.* — REHN, Ent. stud., i, 13 (1900), *Geo.*

incisus SCUDD., Proc. Davenp. acad. nat. sc., vii, 162, 163-164 (1899), *Col.*; Cat. Orth. U. S., 60 (1900), *Id.*

incultus SCUDD., Proc. Davenp. acad. nat. sc., vii, 175, 181-182, pl. 7, fig. 10 (1899), *Col.*; Cat. Orth. U. S., 60 (1900), *Id.*

indigenus SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Idaho*; Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *Id.*; Rev. Mel., 125, 211-212, pl. 14, fig. 4 (1897), *Id.*; Proc. Davenp. acad. nat. sc., vii, 165 (1899); Cat. Orth. U. S., 60 (1900), *Id.*

infantilis SCUDD., Proc. Bost. soc. nat. hist., xx, 65 (1879), *Col., Wyo.*; Cent. Orth., 54 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Col., Wyo., Brit. Amer.*; Can. ent., xvii, 17 (1885), *Wash.*; Rep. U. S. ent., 1885, 303, 307 (1886), *Yellowstone*. — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Regina*. — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxvi, 64-65 (1897), *Col., Assin., Alberta*; Proc. amer. phil. soc., xxxvi, 28, 35 (1897), *N. A.* — BRUN., Ann. Rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 137, 335-336, pl. 22, fig. 8 (1897), *Assin., Alberta, Wash., Idaho, Mont., N. Dak., Wyo., Col., Nebr.*; Cat. Orth. U. S., 60 (1900), *North. half U. S., w. of Miss. Riv., west. Can.*

* **inops** SCUDD., Proc. amer. phil. soc., xxxvi, 16, 35 (1897), *N. A.*; Rev. Mel., 130, 329, pl. 22, fig. 4 (1897), *Fla.*; Proc. Davenp. acad. nat. sc., vii, 203 (1899); Cat. Orth. U. S., 60 (1900), *Id.*

inornatus McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 13, 33 (1897), *N. A.* — SCUDD., Rev. Mel., 128, 254-255, pl. 17, fig. 3 (1897), *Mex.*; Proc. Davenp. acad. nat. sc., vii, 183 (1899).

interior SCUDD., Proc. Bost. soc. nat. hist., xx, 71 (1879), *Utah, Ariz., Nev.*; Cent. Orth., 60 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.*

intermedius SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wyo., Mont., Idaho, Wash.*; Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.*; Rev. Mel., 132, 172-174, pl. 12, figs. 3, 4 (1897), *Col., Mont., Yellowstone Park, Idaho, Wash.*; Cat. Orth. U. S., 60 (1900), *Col. to Wash.*

islandicus BLATCHL., Psyche, viii, 196-197 (1898), *Mich.* — MORSE, Ibid., viii, 256 (1898), *Can.* — WALK., Can. ent., xxxi, 31 (1899), *Ont.* — SCUDD.; Proc. Davenp. acad. nat. sc., vii, 175, 177 (1899), *Mich., Ont.*; Cat. Orth. U. S., 60 (1900), *Id.*

junius SOUND., Proc. Bost. soc. nat. hist., xix, 286 (1878), *Quebec*; Ent. notes, vi, 45 (1878), *Id.* — MORSE, Psyche, vi, 262, (1892), *N. H., Vt.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — MORSE, Psyche, vii, 53, 106 (1894), *N. E.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.*

See also *Melanoplus extremus junius.*

juvencus SCUDD., Proc. amer. phil. soc., xxxvi, 9, 14, 34 (1897), *N. A.*; Rev. Mel., 129, 266-267, pl. 18, fig. 1 (1897), *Fla.*; Cat. Orth. U. S., 60 (1900), *Id.*

keeleri SCUDD., Proc. amer. phil. soc., xxxvi, 29, 35 (1897), *N. A.*; Rev. Mel., 137, 341-343, pl. 23, fig. 1 (1897), *N. C., Fla., Mo., Tex.* — MCNEILL, Psyche, viii, 344, 366 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 60 (1900), *South. U. S.*

kennicottii SCUDD., Proc. Bost. soc. nat. hist., xix, 287, 289, 290 (1878), *Yukon*; Ent. notes, vi, 46, 48, 49 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Brit. Amer., Alaska*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — SCUDD., Rep. ent. soc. Ont., xxvi, 63 (1896), *Alaska, Assin., Mont.*; Proc. amer. phil. soc., xxxvi, 19, 32 (1897), *N. A.*; Rev. Mel., 131, 163-164, pl. 11, fig. 8 (1897), *Alaska, Assin., Mont.*; Cat. Orth. U. S., 60 (1900), *Mont. to Alaska.*

lakinus BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 37 (1897), *Nebr., Col.* — SCUDD., Proc. amer. phil. soc., xxxvi, 6, 32 (1897), *N. A.* — BRUN., [lank-] Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr., Col.* — SCUDD., Rev. Mel., 124, 141-142, pl. 10, fig. 2 (1897), *Kans., Col., N. Mex., Nebr.* — HUNT, Bull. div. ent. U. S. dep. agric., n. s., x, 46 (1898), *Col.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth. U. S., 60 (1900), *Nebr. to N. Mex.* — HUNT-SUTR., Psyche, ix, 76-77 (1900), *Kans.*

lepidus SCUDD., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 129, 321-322, pl. 21, fig. 9 (1897), *Nev., Calu.*; Proc. Davenp. acad. nat. sc., vii, 195 (1899); Cat. Orth. U. S., 60 (1900), *Id.*

lignaeolus SCUDD., Proc. Davenp. acad. nat. sc., vii, 187, 188-190, pl. 8, figs. 5, 6 (1899), *Calu.*; Cat. Orth. U. S., 61 (1900), *Id.*

luridus BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Nebr., Dak.*; Bull. Washb. coll., i, 138 (1885), *Kans., Nebr., Iowa, Mo.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxxvi, 66 (1896), *Wash., Mont., Dak., Wyo.*; Proc. amer. phil. soc., xxxvi, 29, 35 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 137, 344-346, pl. 23, fig. 7 (1897), *Iowa, Mo., Nebr., Col., Wyo., Nev., Wash., Kans., Mont.* — LUGG., Orth. Minn., 203-204, figs. 128, 129 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 61 (1900), *North. half U. S. v. Miss. Riv.*

maneus SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Me., N. H.*; Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *N. A.*; Rev. Mel., 126, 218-219, pl. 14,

fig. 9 (1897), *Me., N. H., Ill.* — MORSE, *Psyche*, viii, 256, 257, 280-281, pl. 7, figs. 38, 38a-c (1898), *N. E.*; *Ibid.*, viii, 317 (1899), *Id.* — SCUDD., *Proc. Davenp. acad. nat. sc.*, vii, 168 (1899); *Cat. Orth. U. S.*, 61 (1900), *N. E., Ill.?*; *Psyche*, ix, 102 (1900), *N. E.*

marculentus BRUN., *Scudd.*, *Proc. amer. phil. soc.*, xxxvi, 6, 32 (1897), *N. A.* — SCUDD., *Rev. Mel.*, 124, 139-141, pl. 10, fig. 1 (1897), *Mex.* — HUNT.-SUTT., *Psyche*, ix, 77 (1900), *Kans., Col.*

marginatus SCUDD., *Proc. amer. phil. soc.*, xxxvi, 16, 28, 35 (1897), *N. A.*; *Rev. Mel.*, 130, 137, 330-331, pl. 1, fig. i, pl. 22, fig. 5 (1897), *Cala.*; *Proc. Davenp. acad. nat. sc.*, vii, 194, 195 (1899); *Cat. Orth. U. S.*, 61 (1900), *Id.*

marginatus amplus SCUDD., *Rev. Mel.*, 330, pl. 1, fig. i (1897), *Cala.*

marginatus pauper SCUDD., *Rev. Mel.*, 330 (1897), *Cala.*

meridionalis SCUDD., *Proc. amer. phil. soc.*, xxxvi, 6, 9, 33 (1897), *N. A.*; *Rev. Mel.*, 126, 223-224, pl. 15, fig. 2 (1897), *Mex.*

militaris SCUDD., *Rep. ent. soc. Ont.*, xxvi, 66 (1896), *Idaho*; *Proc. amer. phil. soc.*, xxxvi, 9, 33 (1897), *N. A.*; *Rev. Mel.*, 126, 224-225, pl. 15, fig. 3 (1897), *Idaho*; *Appal.*, viii, 314 (1898), *Id.*; *Alp. Orth. N. A.*, 16 (1898), *Id.*; *Cat. Orth. U. S.*, 61 (1900), *Id.*

minor SCUDD., *Cent. Orth.*, 84 (1879). — BRUN., *Can. ent.*, xvii, 17 (1885), *Wash.* — BLATCHL., *Ibid.*, xxiii, 81 (1891), *Ind.* — McNEILL, *Psyche*, vi, 74 (1891), *Ill.*, *Ind.* — MORSE, *Ibid.*, vi, 250 (1892), *Mass., N. H.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 28 (1893), *Nebr.* — MORSE, *Psyche*, vii, 53 (1894). — BEET., *Bull. amer. mus. nat. hist.*, vi, 307-308 (1894), *N. Y.* — SCUDD., *Rep. ent. soc. Ont.*, xxvi, 65 (1896), *Manit., etc.* — BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.* — SCUDD., *Proc. amer. phil. soc.*, xxxvi, 29, 35 (1897), *N. A.* — BALL, *Proc. Iowa acad. sc.*, iv, 240 (1897), *Iowa.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 137 (1897), *Nebr.* — SCUDD., *Rev. Mel.*, 137, 337-339, pl. 22, fig. 9 (1897), *Me., N. H., Mass., Conn., N. Y., Va., Ind., Ill., Iowa, Mo., Nebr., Col., Wyo., S. Dak., N. Dak., Mont., Minn., Manit., Wash.* — BLATCHL., *Can. ent.*, xxx, 64 (1898), *Ind.* — LUGG., *Orth. Minn.*, 201-203, fig. 127 (1898), *Minn.* — MORSE, *Psyche*, viii, 256, 259, 293-294, pl. 7, figs. 42, 42a (1898), *N. E.*; *Ibid.*, viii, 319 (1899), *Id.* — WALK., *Can. ent.*, xxxi, 33 (1899), *Ont.* — SCUDD., *Cat. Orth. U. S.*, 61 (1900), *North. half U. S. and bord. parts Can.*; *Psyche*, ix, 103 (1900), *N. E.* — SMITH, *Ins. N. J.*, 156 (1900), *N. J.*

missionum SCUDD., *Proc. amer. phil. soc.*, xxxvi, 12, 33 (1897), *N. A.*; *Rev. Mel.*, 127, 246-247, pl. 16, fig. 8 (1897), *Cala.*; *Proc. Davenp. acad. nat. sc.*, vii, 174 (1899); *Cat. Orth. U. S.*, 61 (1900), *Id.*

montanus SCUDD., *Rep. ent. soc. Ont.*, xxvi, 66 (1896), *Mont.*; *Proc. amer. phil. soc.*, xxxvi, 10, 33 (1897), *N. A.*; *Rev. Mel.*, 127, 232-233, pl. 15, fig. 8 (1897), *Mont.*; *Cat. Orth. U. S.*, 61 (1900), *Id.*

monticola BRUN., *Scudd.*, *Proc. amer. phil. soc.*, xxxvi, 23, 24, 34 (1897), *N. A.* — SCUDD., *Rev. Mel.*, 135, 290-291, pl. 19, fig. 5 (1897), *Col.*; *Appal.*, viii, 316, pl. 44, figs. 1, 2 (1898), *Id.*; *Alp. Orth. N. A.*, 18, pl. 44, figs. 1, 2 (1898), *Id.*; *Cat. Orth. U. S.*, 61 (1900), *Id.*

nanus SCUDD., Proc. Davenp. acad. nat. sc., vii, 187-188, pl. 8, fig. 4 (1899), *Cala.*; Cat. Orth. U. S., 61 (1900), *Id.*

nigrescens SCUDD., Cent. Orth., 84 (1879).—BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Geo.*—SCUDD., Proc. amer. phil. soc., xxxvi, 10, 33 (1897), *N. A.*; Rev. Mel., 126, 225-226, pl. 15, fig. 4 (1897), *Geo., N. C.*; Cat. Orth. U. S., 61 (1900), *South. Atl. st.*

nitidus SCUDD., Proc. amer. phil. soc., xxxvi, 7, 33 (1897), *N. A.*; Rev. Mel., 125, 207-208, pl. 14, fig. 2 (1897), *Mex., Lower Cal.*

obovatifemnis SCUDD., Proc. amer. phil. soc., xxxvi, 14, 34 (1897), *N. A.*; Rev. Mel., 129, 264-265, pl. 17, fig. 10 (1897), *Ind., Ky., Mo., Tex.*—BLATCHL., Can. ent., xxx, 62, 64 (1898), *Ind.*—MCNEILL, Psyche, viii, 345, 369 (1899), *Ark.*—SCUDD., Cat. Orth. U. S., 61-62 (1900), *Ind. to Ark. and Tex.*

obscurus. See *Melanoplus devastator obscurus.*

occidentalis BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*—TOWNS., Ins. life, vi, 31 (1893), *N. Mex.*—SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Minn., N. Dak., Wyo., Mont.*—BLATCHL., Orth. Ind., 21 (1897), *Ind.*—SCUDD., Proc. amer. phil. soc., xxxvi, 17, 32 (1897), *N. A.*—BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.*—SCUDD., Rev. Mel., 130, 145-146, pl. 10, fig. 4 (1897), *Mont., Wyo., Nebr., Kans., Col., N. Mex., N. Dak., Minn., Utah.*—LUGG., Orth. Minn., 189-190, fig. 115 (1898), *Minn.*—SCUDD., Cat. Orth. U. S., 62 (1900), *N. Dak. to N. Mex.*

olivaceus BRUN., Scudd., Proc. amer. phil. soc., xxxvi, 31, 35 (1897), *N. A.*—SCUDD., Rev. Mel., 139, 370-371, pl. 25, fig. 3 (1897), *Cal.*; Cat. Orth. U. S., 62 (1900), *Id.*—COCK., Science gossip, n. s., vi, 367 (1900), *Ariz.*

pacificus SCUDD., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.*; Rev. Mel., 127, 241-243, pl. 16, fig. 5 (1897), *Cal., Nev.*; Proc. Davenp. acad. nat. sc., vii, 174 (1899); Cat. Orth. U. S., 62 (1900), *Id.*

packardii SCUDD., Proc. Bost. soc. nat. hist., xix, 287, 288, 289 (1878), *Utah, Col., Nebr., Tex., Wash., Brit. Col.*; Ent. notes, vi, 46, 47, 48 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 24, pl. 17, figs. 7, 8 (1881), *Wash.*—BRUN., Ibid., iii, 60 (1883), *Wash., Col., Utah, Nebr., Tex.*; Can. ent., xvii, 18 (1885), *Or., Wash.*; Bull. Washb. coll., i, 139 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.*—CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Regina.*—COCK., Ent., xxi, 301 (1888), *Col.*—KOE., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Cal.*—BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*—SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Assin. to Brit. Col.*—BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 31 (1897), *Col.*—SCUDD., Proc. amer. phil. soc., xxxvi, 27, 34 (1897), *N. A.*—BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.*—SCUDD., Rev. Mel., 136, 309-311, pl. 21, figs. 1-4 (1897), *Brit. Col., Wash., Or., Cal., Idaho, Mont., Wyo., Iowa, Nebr., Kans., Ark., Utah, Nev., Col., N. Mex., Tex.*; Proc. Davenp. acad. nat. sc., vii, 192 (1899).—HUNT., Contr. ent. lab. univ. Kans., lxv, 19 (1899), *Kans.*—MCNEILL, Psyche,

viii, 344, 367 (1899), *Ark.* — BRUN., Rep. Nebr. bd. agric., 1899, 247 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 62 (1900), *Miss. Riv. to Pac., west. Can.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., xxii, 35-37 (1900), *Minn., N. Dak.*

packardii rufipes Cock., Ent., xxii, 127 (1889).

palmeri SCUDD., Proc. amer. phil. soc., xxxvi, 23, 33 (1897), *N. A.*; Rev. Mel., 134, 230-231, pl. 15, fig. 7 (1897), *N. Mex., Ariz.*; Cat. Orth. U. S., 62 (1900), *Id.*

paroxyoides SCUDD., Proc. amer. phil. soc., xxxvi, 28, 35 (1897), *N. A.*; Rev. Mel., 137, 331-332, pl. 1, fig. k, pl. 22, fig. 6 (1897), *Fla.*; Proc. Davenp. acad. nat. sc., vii, 195 (1899); Cat. Orth. U. S., 62 (1900), *Id.*

parvus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Quebec.*

See also Caloptenus (Melanoplus) parvus.

pauper. *See* Melanoplus marginatus pauper.

phoetalotiformis SCUDD., Proc. Davenp. acad. nat. sc., vii, 175, 179-180, pl. 7, fig. 9 (1899), *Cal., Minn.*; Cat. Orth. U. S., 62 (1900), *Id.*

pictus SCUDD., Proc. amer. phil. soc., xxxvi, 18, 32 (1897), *N. A.*; Rev. Mel., 131, 156-157, pl. 11, fig. 2 (1897), *Ariz.*; Proc. Davenp. acad. nat. sc., vii, 163 (1899); Cat. Orth. U. S., 62 (1900), *Id.*

pilatus SCUDD., Proc. Davenp. acad. nat. sc., vii, 192-194, pl. 9, figs. 1, 2 (1899), *Col.*; Cat. Orth. U. S., 62 (1900), *Id.*

pinctus SCUDD., Proc. Davenp. acad. nat. sc., vii, 174, 175-177, pl. 7, fig. 7 (1899), *Cal.*; Cat. Orth. U. S., 62 (1900), *Id.*

plebejus SCUDD., Proc. amer. phil. soc., xxxvi, 16, 35 (1897), *N. A.*; Rev. Mel., 130, 326-327, pl. 22, fig. 2 (1897), *Tex.*; Proc. Davenp. acad. nat. sc., vii, 203 (1899); Cat. Orth. U. S., 62 (1900), *Id.*

plumbeus BRUN., Bull. div. ent. U. S. dep. agric., xxviii, 32-33, fig. 16 (1893), *Wyo., Col., Nebr., Kans.*; Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 24, 34 (1897), *N. A.* — BRUN., Rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 134, 276-277, pl. 18, fig. 8 (1897), *Col., Kans., Nebr., Wyo.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth. U. S., 63 (1900), *Wyo., Col., Nebr., Kans.*

ponderosus BRUN., Can. ent. xxiii, 193 (1891), *Tex.*; Ins. life, iv, 22 (1891), *Id.*; Rep. ent. soc. Ont., xxii, 48 (1891), *Id.*

propinquus McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 24, 34 (1897), *N. A.* — SCUDD., Rev. Mel., 134, 285-286, pl. 18, fig. 9 (1897), *N. C., Geo., Fla.*; Cat. Orth. U. S., 63 (1900), *Southeast. U. S.*

puer SCUDD., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.*; Rev. Mel., 128, 252-253, pl. 17, fig. 2 (1897), *Fla.*; Cat. Orth. U. S., 63 (1900), *Id.*

punctulatus SCUDD., Hitchc., Rep. geol. N. H., i, 376 (1874), *N. H., Me., Vt.*; Proc. Bost. soc. nat. hist., xix, 284, 285 (1878), *Mass., Me., Middle st., Ill.*; Ent. notes, vi, 43, 44 (1878), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 115, 116 (1888), *N. E.*; Orth. N. E., 31, 32 (1888), *Id.* — DAV., Ent.

amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 413 (1890), *N. J.* — McNEILL, Psyche, vi, 74 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 34 (1892), *N. J.* — SCUDD., Psyche, vii, 55 (1894). — MORSE, Ibid., vii, 55, 106 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 252, 307 (1894), *N. Y.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — SCUDD., Proc. amer. phil. soc., xxxvi, 32, 35 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 139, 374–376, pl. 25, fig. 4 (1897), *Me.*, *N. H.*, *Mass.*, *Conn.*, *N. Y.*, *Id. Va.*, *Ind.*, *Ill.*, *Tex.*; also *Vt.*, *N. J.*, *Ohio*, *Nebr.* — BLATCHL., Can. ent., xxx. 62–63, 64 (1898), *Ind.* — LUGG., Orth. Minn., 208–210, fig. 136 (1898), *Minn.* — MORSE, Psyche, viii, 257, 258, 295–296, pl. 7, figs. 45, 45a (1898), *N. E.* — WALK., Can. ent., xxxi, 34–35 (1899), *Ont.* — BLATCHL., Gleanings, 187 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 63 (1900), *Me. to Va.*, *Tex. and Nebr.*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.*

rectus SCUDD., Proc. Bost. soc. nat. hist., xix, 284, 285 (1878), *Mass.*, *Me.*, *N. H.*; Ent. notes, vi, 43, 44 (1878), *Id.*; Proc. Bost. soc. nat. hist., xx, 71 (1879), *N. E.*; Cent. Orth., 60 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Me.* — FERN., Ann. rep. Mass. agric. coll., xxv, 115, 116 (1888), *N. E.*; Orth. N. E., 31, 32 (1888), *Id.* — MORSE, Psyche, vii, 53 (1894).

reflexus SCUDD., Proc. amer. phil. soc., xxxvi, 9, 33 (1897), *N. A.*; Rev. Mel., 126, 221–222, pl. 15, fig. 1 (1897), *Mex.*

regalis BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*

repletus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Vancouver.*

See also Caloptenus (Melanoplus) repletus.

rileyanus McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 7, 32 (1897), *N. A.* — SCUDD., Rev. Mel., 125, 151–152, pl. 10, fig. 9 (1897), *Cal.*; Proc. Davenport. acad. nat. sc., vii, 160 (1899); Cat. Orth. U. S., 63 (1900), *Id.*

robustus SCUDD., Cent. Orth., 84 (1879). — BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 33 (1892); Ibid., xxviii, 17–19, figs. 6, 7 (1893), *Tex.*; Rep. Nebr. st. bd. agric., 1893, 460 (1893). — SCUDD., Proc. amer. phil. soc., xxxvi, 30, 35 (1897), *N. A.*; Rev. Mel., 138, 354–355, pl. 23, fig. 5 (1897), *Tex.*; Cat. Orth. U. S., 63 (1900), *Id.*

rotundipennis SCUDD., Proc. amer. phil. soc., xxxvi, 14, 34 (1897), *N. A.*; Rev. Mel., 129, 263–264, pl. 17, fig. 9 (1897), *Fla.*; Cat. Orth. U. S., 63 (1900), *Id.*

rufipes. *See* Melanoplus packardii rufipes.

rusticus SCUDD., Proc. amer. phil. soc., xxxvi, 11, 33 (1897), *N. A.*; Rev. Mel., 127, 240–241, pl. 16, fig. 4 (1897), *Tex.*; Cat. Orth. U. S., 63 (1900), *Id.*

saltator SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wash.*, *Idaho*, *Mont.*, *Wyo.*; Proc. amer. phil. soc., xxxvi, 14, 34 (1897), *N. A.*; Rev. Mel., 129, 261–262, pl. 17, fig. 8 (1897), *Or.*, *Wash.*, *Mont.*, *Idaho*, *Wyo.*; Cat. Orth. U. S., 63, 101 (1900), *Wash. and Or. to Wyo.*

sapellanus SCUDD., Psyche, ix, 125 (1900), *N. Mex.*

scandens. *See* Melanoplus extremus scandens.

scitulus SCUDD., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.*; Rev.

Mel., 128, 249-250, pl. 16, fig. 10 (1897), *Mex.*; Proc. Davenp. acad. nat. sc., vii, 175 (1899).

scriptus CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Vanc.* — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Id.* — COCK., Trans. amer. ent. soc., xx, 237 (1894), *Col.*

See also Caloptenus (*Melanoplus*) scriptus.

scudderi SCUDD., Proc. amer. phil. soc., xxxvi, 8, 33 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 125, 212-215, pl. 14, figs. 5, 6 (1897), *Me., Mass., Conn., N. Y., Md., D. C., Va., Ind., Ky., Ill., Iowa, Nebr., Miss., Tex.*; also *N. J., Kans., Col.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — LUGG., Orth. Minn., 184-185, fig. 108 (1898), *Minn.* — MORSE, Psyche, viii, 256, 257, 258, 280, pl. 7, figs. 37, 37a-b (1898), *N. E.*; *Ibid.*, viii, 318, 319, 320, 322 (1899), *N. E.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 167 (1899). — MCNEILL, Psyche, viii, 345, 370-371 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 63 (1900), *U. S. e. of Gr. Plains*; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.*

sierranus SCUDD., Proc. amer. phil. soc., xxxvi, 21, 32 (1897), *N. A.*; Rev. Mel., 133, 193-194, pl. 13, fig. 1 (1897), *Calif.*; Cat. Orth. U. S., 64 (1900), *Id.*

silvaticus MCNEILL, Psyche, viii, 345, 368-369 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 64 (1900), *Id.*

simplex SCUDD., Proc. amer. phil. soc., xxxvi, 7, 32 (1897), *N. A.*; Rev. Mel., 124, 150-151, pl. 10, fig. 8 (1897), *Col.*; Proc. Davenp. acad. nat. sc., vii, 160 (1899); Cat. Orth. U. S., 64 (1900), *Id.*

snowi SCUDD., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 129, 274-275, pl. 18, fig. 7 (1897), *N. Mex.*; Proc. Davenp. acad. nat. sc., vii, 186 (1899); Cat. Orth. U. S., 64 (1900), *Id.*

sonorae SCUDD., Proc. amer. phil. soc., xxxvi, 6, 32 (1897), *N. A.*; Rev. Mel., 124, 143-144, pl. 10, fig. 3 (1897), *Mex.*

spretus SCUDD., Proc. Bost. soc. nat. hist., xix, 287, 288 (1878), *West. U. S.*; Ent. notes, vi, 46, 47 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 24 (1881). — BRUN., *Ibid.*, iii, 60 (1883), *West. U. S., Brit. Col.*; Bull. Washb. coll., i, 138 (1885), *Kans.* — RIL., Ent. amer., i, 177 (1885), *Pac. coast.* — FLETCH., Rep. ent. Can., 1885, 9-10, fig. 1 (1885), *Northwest.* — BRUN., Rep. U. S. ent., 1885, 303-307 (1886); Bull. Washb. coll., i, 200 (1886), *Kans.*; Bull. div. ent. U. S. dep. agric., xlii, 9-17, 33 (1887), *Tex., Nebr.*; Rep. st. bd. agric. Nebr., 1888, 88, figs. 1-3 (1888). — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Can.* — COMST., Intr. ent., 108-110, figs. 97a-f (1888). — RIL., Ins. life, ii, 87 (1889), *Utah.* — BRUN., Bull. div. ent. U. S. dep. agric., xxii, 104 (1890), *Id.*; Can. ent., xxiii, 192 (1891); Ins. life, iii, 229 (1891); *Ibid.*, iv, 20-21 (1891); Rep. ent. soc. Ont., xxii, 47-48 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891); Rep. st. bd. agric. Nebr., 1891, 243, 306-307, figs. 81-83 (1891). — MCNEILL, Psyche, vi, 73 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — KELL., Inj. ins. Kans., 22-25, figs. 6a-d, 12a-f,

13a-f (1892), *Kans.* — WEBST., Bull. Ohio agric. st., (2), xlv, 205, fig. 20 (1892). — BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 11-24 (1892); *Ibid.*, xxviii, 27-29 (1893), *Rocky Mts., etc.*; *Ibid.*, xxx, 35 (1893), *Nebr.*; Publ. Nebr. acad. sc., iii, 28 (1893), *Id.*; Rep. Nebr. st. bd. agric., 1893, 459-460, figs. 99-101 (1893), *Id.* — OSB., Ins. life, vi, 80-81 (1893). — REIDT., Wanderheuschr., 27-31 (1893), *U. S.* — BRUN., Rep. st. hort. soc. Nebr., 1894, 163, 205, fig. 69 (1894); *Ibid.*, 1895, 69 (1895). — COMST., Man. study ins., 110 (1895). — LINTN., Rep. st. mus. N. Y., xlviii, 441, fig. 18 (1895); *Ibid.*, xlix, 271 (1896). — SCUDD., Rep. ent. soc. Ont., xxvi, 64 (1896), *Rocky Mts., Saskatch.* — BRUN., Bull. div. ent. U. S. dep. agric., n. s., vii, 36 (1897), *Nebr.* — SCUDD., Proc. amer. phil. soc., xxxvi, 20, 32 (1897), *N. A.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 108-117, 136, figs. 1-6, 14 (1897), *Nebr.* — SCUDD., Rev. Mel., 132, 184-190, pl. 12, fig. 8 (1897) *Var. loc. U. S. Can.*; Appal., viii, 314 (1898), *West. U. S.*; Alp. Orth. N. A., 16 (1898), *Id.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 41, 53 (1898), *Id.* — LUGG., Orth. Minn., 193-194, fig. 119 (1898), *Minn.* — HUNT., Contr. ent. lab. univ. Kans., lxxv, 19 (1899), *Kans.* — TUTT, Ent. rec., xi, 89-92 (1899), *U. S.* — FLETCH., Rep. exp. farms Can., 1898, 180-187, figs. 10-12 (1899), *Manit.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 78 (1899); Rep. Nebr. bd. agric., 1899, 271, figs. 40-45 (1899), *Nebr.* — BLATCHL., Gleanings, 239-240, fig. 66 (1899). — SCUDD., Cat. Orth. U. S., 64 (1900), *Saskatch. to Col.* — HUNT., Bull. div. ent. U. S. dep. agric., n. s., xxii, 30-37 (1900), *Minn., N. Dak.* — HUNT.-SUTR., Psyche, ix, 77-78 (1900), *Kans.* — FLETCH., Bull. div. ent. U. S. dep. agric., n. s., xxvi, 95 (1900), *Manit.* — REHN, [-tis] Trans. amer. ent. soc., xxvii, 98 (1900), *Mex.*

spretus caeruleipes COCK., Ent., xxii, 127 (1889).

tellustris. See *Melanoplus dawsoni tellustris*.

tenebrosus SCUDD., Proc. Bost. soc. nat. hist., xx, 63-64 (1879), *N. C.*; Cent. Orth., 52 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 60 (1883), *Id.*

tenuipennis McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 12, 33 (1897), *N. A.* — SCUDD., Rev. Mel., 127, 244-246, pl. 16, fig. 7 (1897), *Cal.*; Proc. Davenp. acad. nat. sc., vii, 174 (1899); Cat. Orth. U. S., 64 (1900), *Id.*

terminalis SCUDD., Proc. amer. phil. soc., xxxvi, 25, 34 (1897), *N. A.*; Rev. Mel., 135, 293-294, pl. 19, fig. 7 (1897), *Tex.*; Cat. Orth. U. S., 64 (1900), *Id.*

texanus SCUDD., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.*; Rev. Mel., 130, 324-325, pl. 22, fig. 1 (1897), *Tex., Kans.*; Proc. Davenp. acad. nat. sc., vii, 196 (1899); Cat. Orth. U. S., 64 (1900), *Id.*

thomasi BRUN., Scudd., Proc. amer. phil. soc., xxxvi, 31, 35 (1897), *N. A.* — SCUDD., Rev. Mel., 138, 368-369, pl. 25, fig. 1 (1897), *Mex.* — COCK., Ent. news, x, 44 (1899), *N. Mex.*; Science gossip, n. s., vi, 367 (1900), *Id.*

truncatus SCUDD., Proc. Davenp. acad. nat. sc., vii, 175, 177-179, pl. 7, fig. 8 (1899), *Ariz.*; Cat. Orth. U. S., 64 (1900), *Id.*

turnbulli BRUN., Bull. Washb. coll., i, 139 (1885), *Kans., Ariz., N. Mex., Col., Wyo., Mont.*; Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*

typicalis. See *Melanoplus devastator typicalis*.

uniformis SCUDD., Proc. amer. phil. soc., xxxvi, 22, 32 (1897), *N. A.*; Rev. Mel., 133, 201-202, pl. 13, fig. 9 (1897), *Cala.*; Cat. Orth. U. S., 64 (1900), *Id.*

usitatus SCUDD., Proc. Davenp. acad. nat. sc., vii, 168, 172-174 (1899), *Or.*; Cat. Orth. U. S., 64 (1900), *Id.*

utahensis BRUN., Scudd., Proc. amer. phil. soc. xxxvi, 19, 32 (1897), *N. A.* — SCUDD., Rev. Mel., 132, 167-168, pl. 11, fig. 10 (1897), *Utah*; Cat. Orth. U. S., 64 (1900), *Id.*

validus SCUDD., Proc. Davenp. acad. nat. sc., vii, 195, 197-199, pl. 9, figs. 4, 5 (1899), *Or.*; Cat. Orth. U. S., 64 (1900), *Id.*

variabilis BRUN., Scudd., Proc. amer. phil. soc., xxxvi, 15, 34 (1897), *N. A.* — SCUDD., Rev. Mel., 129, 319-320, pl. 21, fig. 8 (1897), *Mex.*; Proc. Davenp. acad. nat. sc., vii, 195 (1899).

varicus SCUDD., Proc. Davenp. acad. nat. sc., vii, 167, 168-169, pl. 7, figs. 5, 6 (1899), *Cala.*; Cat. Orth. U. S., 64 (1900), *Id.*

variolosus SCUDD., Proc. Bost. soc. nat. hist., xx, 67 (1879), *Kans., Col.*; Cent. Orth., 56 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.*

viola SCUDD., Proc. amer. phil. soc., xxxvi, 30, 35 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 187 (1897), *Nebr.* — SCUDD., Rev. Mel., 138, 355-357, pl. 24, fig. 1 (1897), *Mo., Ill., Ky., Nebr.* — McNEILL, Psyche, viii, 343, 345-346 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 65, 101 (1900), *Ark. and Nebr. to Ill. and Ky.*

virgatus McNEILL, Scudd., Proc. amer. phil. soc., xxxvi, 22, 32 (1897), *N. A.* — SCUDD., Rev. Mel., 133, 199-201, pl. 13, fig. 8 (1897), *Cala.*; Cat. Orth. U. S., 65 (1900), *Id.*

viridipes WALSH, Scudd., Proc. amer. phil. soc., xxxvi, 13, 33 (1897), *N. A.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 136 (1897), *Nebr.* — SCUDD., Rev. Mel., 128, 255-256, pl. 17, fig. 4 (1897), *Ill., Ind.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 183 (1899); Cat. Orth. U. S., 65 (1900), *Ind., Ill.*

volaticus. See *Melanoplus fasciatus volaticus*.

walshii SCUDD., Proc. amer. phil. soc., xxxvi, 6, 11, 33 (1897), *N. A.*; Rev. Mel., 127, 235-236 (1897), *Mich., Ill., Iowa*; Cat. Orth. U. S., 65 (1900), *Mich. to Iowa.*

washingtonianus SCUDD., Rep. ent. soc. Ont., xxvi, 66 (1896), *Wash.*; Proc. amer. phil. soc., xxxvi, 11, 33 (1897), *N. A.*; Rev. Mel., 127, 233-234, pl. 15, fig. 9 (1897), *Wash.*; Cat. Orth. U. S., 65 (1900), *Id.*

yarrowi SCUDD., Proc. amer. phil. soc., xxxvi, 31, 35 (1897), *N. A.*; Rev. Mel., 139, 369-370, pl. 25, fig. 2 (1897), *Col.*; Cat. Orth. U. S., 65 (1900), *Id.*

Melliera

atopogamia SAUSS., Soc. ent., vii, 123 (1892), *Mex.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 148-149, pl. 7, figs. 7, 8 (1894), *Mex., Guat., Nicar.*

Mermiria

alacris SCUDD., Proc. Bost. soc. nat. hist., xix, 30-31 (1877), *Geo.*; Ent. notes, vi, 8-9 (1878), *Id.*; Cent. Orth., 47-48 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 205, 207, pl. 1, figs. 3, 3ab (1897), *Geo., Tex.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 42, 43 (1899), *Geo., Fla., Tex.*; Cat. Orth. U. S., 19 (1900), *South. U. S.*

belfragei STAL, Rec. Orth., i, 102 (1873), *Tex.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 866 (1875), *West. U. S.*

bivittata SCUDD., Proc. Bost. soc. nat. hist., xix, 30-31 (1877), *Geo.*; Ent. notes, vi, 8 (1878), *Id.*; Cent. Orth., 47 (1879), *Id.* — THOM., Rep. ent. Ill., ix, 87, 92, 97 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *East. and mid. U. S.*; Bull. Washb. coll., i, 130 (1885), *Kans.* — McNEILL, Psyche, vi, 66 (1891), *Ill., Nebr.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 204, 205-206 (1897), *U. S. east Rocky Mts.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 41, 42 (1899), *Tex., Col., Geo., Nebr., Kans., Utah, Ariz., N. Mex., Iowa?*; Cat. Orth. U. S., 19 (1900), *U. S. e. of Rocky Mts.* — SMITH, Ins. N. J., 154 (1900), *N. J.*

brachyptera OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

intertexta SCUDD., Proc. amer. acad. arts sc., xxxv, 41, 42-43 (1899), *Geo., Tex.*; Cat. Orth. U. S., 19 (1900), *South. U. S.*

maculipennis BRUN., Proc. U. S. nat. mus., xii, 54-55 (1890), *Tex.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 204, 206 (1897), *Id.*

neomexicana SCUDD., Bull. U. S. geol. surv. terr., ii, 262 (1876), *Col.*; Proc. Bost. soc. nat. hist., xix, 30 (1877), *Geo.*; Ent. notes, vi, 8 (1878), *Id.*; Cent. Orth., 47 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Col., Nebr.*; Bull. Washb. coll., i, 130 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 196 (1886), *Kans.* — COCK., Ent., xxi, 300 (1888), *Col.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 205, 206-207 (1897), *Wyo. to Mex., east to Geo.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 42, 43 (1899), *Col., Tex.*; Cat. Orth. U. S., 19-20 (1900), *Rocky Mts. to Miss. Riv.*

rostrata McNEILL, Proc. Davenp. acad. nat. sc., vi, 205, 207-208, pl. 1, fig. 3c (1897), *Ind. terr.*; Can. ent., xxxi, 53 (1899), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 42, 44 (1899), *Id.*; Cat. Orth. U. S., 20 (1900), *Id.*

texana BRUN., Proc. U. S. nat. mus. xii, 52-54, pl. 1, fig. 11 (1890), *Tex., Mex.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 204, 206 (1897), *Mex., Tex., Col., Ariz.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 41, 42 (1899), *Col., Mex.*; Cat. Orth. U. S., 20 (1900), *South. U. S.*

vigilans SCUDD., Proc. amer. acad. arts sci., xxxv, 42, 43-44 (1899), *N. C.*;
Cat. Orth. U. S., 20 (1900), *Id.*

Meroncidius

- atrispinus** STÅL, Rec. Orth., ii, 84 (1874), *Costa Rica*.
aztecus WALK., Cat. Derm. salt. Brit. mus., iii, 445 (1870), *Mex.*
circumdatus WALK., Cat. Derm. salt. Brit. mus., iii, 446-447 (1870), *Mex.*
degeeri STÅL, Orth. Eug. resa, 322 (1861), *Pan.* — WALK., Cat. Derm. salt. Brit. mus., iii, 443-444 (1870), *Pan., west coast Amer.*
discoidalis WALK., Cat. Derm. salt. Brit. mus., iii, 448 (1870), *Jam.*
fuscus BRUNN., Mon. Pseudophg, 150 (1895), *Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 413 (1898), *Id.*
immunis WALK., Cat. Derm. salt. Brit. mus., iii, 454 (1870), *Hond.*
incurvus STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 41 (1875), *Pan.*
indistinctus WALK., Cat. Derm. salt. Brit. mus., iii, 451 (1870), *Mex., or Brazil.*
mexicanus WALK., Cat. Derm. salt. Brit. mus., iii, 445 (1870), *Mex.*
regina WALK., Cat. Derm. salt. Brit. mus., iii, 445 (1870), *Mex.*
specularis WALK., Cat. Derm. salt. Brit. mus., iii, 442-443 (1870), *Mex.*
subguttatus WALK., Cat. Derm. salt. Brit. mus., iii, 445 (1870), *Jam.*
subnotatus WALK., Cat. Derm. salt. Brit. mus., iii, 449 (1870), *Jam.*
tenebrosus WALK., Cat. Derm. salt. Brit. mus., iii, 447 (1870), *Mex.*
toltecus WALK., Cat. Derm. salt. Brit. mus., iii, 445 (1870), *Mex.*
vittifrons WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 45-46 (1871), *Nicar.*

Merotettix

pristinus MORSE, Journ. N. Y. ent. soc., vii, 199-200 (1899), *San Dom.*

Mesochloa

abortiva SCUDD., Psyche, viii, 239 (1898), *U. S.*; Cat. Orth. U. S., 21 (1900), *Tex.*; Psyche, ix, 95 (1900), *Id.*

Mesops

- carinatus** WALK., Cat. Derm. salt. Brit. mus., iii, 501 (1870), *U. S.* — THOM., Proc. acad. nat. sc. Philad., 1871, 153 (1871), *Id.*
chlorizans THOM., Rep. U. S. geol. surv. terr., v, 60-61 (1873), *Fla.* — GLOV., Ill. N. A. ent., Orth., pl. 16, fig. 1 (1874). — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.* — RIL., Stand. nat. hist., ii, 203 (1884), *South. st.*
cylindricus BRUN., Proc. U. S. nat. mus., xii, 48-49 (1890), *Nebr.*
wyomingensis THOM., Proc. acad. nat. sc. Philad., 1871, 152 (1871), *Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 9, pl. 15, fig. 8 (1872-1874). — THOM.,

Rep. U. S. geol. surv. terr., v, 59 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*; Bull. Washb. coll., i, 199 (1886), *Kans.*, *Wyo.*

Mestobregma

asperum SCUDD., Cat. Orth. U. S., 39 (1900), *N. Mex.*

boreale SCUDD., Cat. Orth. U. S., 39 (1900), *Cal.*

capito SCUDD., Cat. Orth. U. S., 39 (1900), *Tex.*

cinctum THOM., Bull. Ill. mus. nat. hist., i, 65 (1876), *Ill.*; Rep. ent. Ill., ix, 90, 95, 113-114 (1880), *Id.* — BRUN., Bull. Washb. coll., i, 134 (1885), *Kans.*; *Ibid.*, i, 198 (1886), *Id.* — McNEILL, Psyche, vi, 64 (1891), *Ill.* — GARM., Orth. Ky., 3, 4, 9 (1894), *Ky.* — LUGG., Orth. Minn., 164-166, fig. 99 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 39 (1900), *Upp. Miss. vall.*, *Col.*

coronatum SCUDD., Cat. Orth. U. S., 39 (1900), *N. Mex.*

fuscifrons SCUDD., Cat. Orth. U. S., 39 (1900), *Tex.*

hyalinum SCUDD., Psyche, ix, 91, 92 (1900), *Cal.*

kiowa THOM., Proc. Davenport acad. nat. sc., i, 256-257 (1876), *Utah*; Ann. rep. chief eng., 1878, 1844 (1878), *Col.* — BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 198 (1886), *Kans.* — SCUDD., Cat. Orth. U. S., 39 (1900), *Dak. and Mont. to Nebr. and Utah*; Psyche, ix, 91, 92-93 (1900), *Iowa, Nebr., Col., Utah, Cal.*

maculosum SCUDD., Cat. Orth. U. S., 39 (1900), *Alberta.*

mexicanum SCUDD., Cat. Orth. U. S., 40 (1900), *Nebr.*

pardalinum BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 40 (1900), *Nebr., Col.*

plattef SCUDD., Bull. U. S. geol. surv. terr., ii, 264 (1876), *Col.* — THOM., Ann. rep. chief eng., 1878, 1844 (1878), *Id.* — BRUN., Bull. Washb. coll., i, 134 (1885), *Kans.* — COCK., Ent., xxi, 301 (1888), *Col.* — BRUN., Publ. Nebr. acad. soc., iii, 25 (1893), *Nebr.* — SCUDD., Cat. Orth. U. S., 40 (1900), *Wyo., Col., Nebr., Kans.*

pulchellum BRUN., Bull. Washb. coll., i, 134 (1885), *Mont.*; Rep. U. S. ent., 1885, 303 (1886); Proc. U. S. nat. mus., xii, 64-65 (1890), *Id.*

rosaceum SCUDD., Psyche, ix, 91-92 (1900), *Cal., Ariz.*

Metaleptea

brevicornis GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 1 (1897) *Darien.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.*

Metaleptea (Tryxalis)

notochlora BRUN. [-ris], Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 63 (1895), *Nicar.*

Metriotes

diocles STÅL, Rec. Orth., iii, 100. (1875), *Pan.*

Metrypa

claudicans BRUNN., Proc. zool. soc. Lond., 1893, 610-611, pl. 52, figs. 5ab (1893), *Grenada*.

cryptsiphona SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 677, pl. 19, fig. 73.2 (1878), *Amér. trop., Antill. ou Colombie*; Mél. orth., ii, 817, pl. 19, fig. 73.2 (1878), *Id.*

heros BRUNN., Proc. zool. soc. Lond., 1893, 611, pl. 52, fig. 6 (1893), *Grenada*.

lurida SAUSS., Miss. scient. Mex., Rech. zool., vi, 513-514 (1874), *Cuba*; Mém. soc. phys. hist. nat. Gen., xxv, 673, pl. 19, fig. 73.3 (1878), *Antill., Cuba*; Mél. orth., ii, 813, pl. 19, fig. 73.3 (1878), *Id.* — BOL., Mém. soc. zool. France, i, 164 (1888), *Cuba*; Orth. Cuba, 49 (1888), *Id.* — GUNDL., Ent. cub., ii, 384 (1891), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 220 (1892), *Cuba, St. Vinc.* — SCUDD., Cat. Orth. U. S., 92 (1900), *Fla.*

muta SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 678 (1878), *Amér. trop.*; Mél. orth., ii, 818 (1878), *Id.*

Mezentia

gibbera STÅL, Bih. sv. vet.-akad. handl., v, no. 4, 88 (1878), *Pan.*

Microcentrum

affiliatum SCUDD., Bost. journ. nat. hist., vii, 447 (1862), *Mass., Md., Fla., Tex., Nebr.* — WALK., Cat. Derm. salt. Brit. mus., ii, 369 (1869), *U. S.* — SMITH, Rep. Conn. bd. agric., 1872, 357, 380 (1872), *N. E., Conn.* — RIL., Stand. nat. hist., ii, 191 (1884), *U. S.* — COMST., Intr. ent., 116 (1888).

aztecum WALK., Cat. Derm. salt. Brit. mus., ii, 369 (1869), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 358, 363-364, pl. 17, fig. 13 (1898), *Mex.*

championi SAUSS.-PICT., Biol. centr. amer., Orth., 357, 360, pl. 16, fig. 30 (1898), *Pan.*

colosseum SAUSS.-PICT., Biol. centr. amer., Orth., 358, 362-363, pl. 17, figs. 9, 10 (1898), *Pan., Colombia*.

coulonianum WALK., Cat. Derm. salt. Brit. mus., ii, 371 (1869), *Cuba*.

cribrosum SAUSS.-PICT., Biol. centr. amer., Orth., 358, 362 (1898), *Mex.*

decoratum WALK., Cat. Derm. salt. Brit. mus., ii, 373 (1869), *St. Dom.* — COCK., Journ. inst. Jam., i, 258 (1893), *Jam.*

divisum WALK., Cat. Derm. salt. Brit. mus., ii, 373-374 (1869), *Jam.*

excellens WALK., Cat. Derm. salt. Brit. mus., ii, 371-372 (1869), *St. Dom.*

lanceolatum GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 1 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 357, 359, pl. 17, figs. 1, 2 (1898), *Guat., S. A.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica*.

laurifolium STÅL, Rec. Orth., ii, 42 (1874), *India, Amer. bor.* — BRUNN., Mon. Phaneropt., 339 (1878), *Southw. U. S., Geo., Tex., Mex.* — BRUN., Bull.

Washb. coll., i, 127 (1885), *Kans.* — FERN., Ann. rep. Mass. agric. coll., xxv, 105-106 (1888), *N. E.*; Orth. *N. E.*, 21-22 (1888), *Id.* — SMITH, Cat. ins. *N. J.*, 409 (1890), *N. J.* — McNEILL, Psyche, vi, 22 (1891), *Ill.* — SCUDD., Rep. ent. soc. Ont., xxiii, 70 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 107-109 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 278, pl. 6, fig. 3 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — SAUSS.-PICT., Biol. centr. amer., Orth., 358, 361, pl. 17, figs. 3-5 (1898), *Geo., Tex., Mex., Guat., Pan.* — LUGG., Orth. Minn., 224-225, figs. 148, 149 (1898), *Minn.* — BLATCHL., Gleanings, 215-216, fig. 49 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 70 (1900), *U. S. e. of Rocky Mts.*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. *N. J.*, 160 (1900), *N. J.*

martenicum SAUSS.-PICT., Biol. centr. amer., Orth., 357, 359-360 (1898), *Martinique*.

otomium BRUNN., Mon. Phaneropt., 342 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 358, 363, pl. 17, figs. 11, 12 (1898), *Id.*

pallidum BRUNN., Mon. Phaneropt., 337 (1878), *Martinique, Suriman, Cuba.* — BOL., Mém. soc. zool. France, i, 148 (1888), *Cuba*; Orth. *Cuba*, 33 (1888), *Id.* — GUNDL., Ent. cub., ii, 352 (1890), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 211 (1892), *St. Vinc., Cuba, Mart., Colombia.* — BRUNN., *Ibid.*, 1893, 607 (1893), *Id., Grenada.*

punctifrons SAUSS.-PICT., Biol. centr. amer., Orth., 357, 360-361 (1898), *Pan., Guiana.*

retinerve SCUDD., Bost. journ. nat. hist., vii, 446-447 (1862), *N. C., D. C.* — WALK., Cat. Derm. salt. Brit. mus., ii, 369 (1860), *U. S.* — GLOV., Ill. *N. A.* ent., Orth., pl. 4, figs. 3, 16 (1872). — RIL., Ann. rep. ins. *Mo.*, vi, 155, figs. 43-47 (1874), *Mo.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 83 (1877), *Fla.*; Ent. notes, vi, 24 (1878), *Id.* — BRUNN., Mon. Phaneropt., 339 (1878), *N. C., Geo., Mex., Guat.* — COMST., Rep. U. S. ent., 1880, 249-251, pl. 1 (1881), *Fla.* — GRIFF., Amer. nat., xvi, 404 (1882), *Iowa.* — SAUND., Ins. inj. fruits, 383-385, fig. 394 (1883). — RIL., Stand. nat. hist., ii, 188-191, figs. 266-267 (1884), *U. S.* — HUBB., Ins. orange, 134, pl. 9 (1885). — BRUN., Bull. Washb. coll., i, 200 (1886), *Kans.* — COMST., Intr. ent., 116, pl. 3, figs. 1a, a, b, b (1888). — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. *N. J.*, 409 (1890), *N. J.*; Bull. *N. J.* exp. st., K, 40, 41, fig. 22 (1890). — RIL., Ins. life, iii, 296 (1891), *Mo.* — SMITH, Bull. *N. J.* exp. st., xc, 23, 24, 31, figs. 15, 16 (1892), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 70, fig. 45 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 152 (1894). — COMST., Man. study ins., 113-114, fig. 129 (1895), *West. and south.* — LINTN., Rep. st. mus. *N. Y.*, xlix, 271 (1896). — SAUSS.-PICT., Biol. centr. amer., Orth., 358, 361-362, pl. 17, figs. 6-8 (1898), *Geo., Car., Tex., Mex., Guat., Nicar., Costa Rica, Pan.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — COCK., Bull. 32, *Ariz. agric. exp. st.*, 281 (1899), *Ariz., N. Mex., Fla.* — SCUDD., Cat. Orth. U. S., 70-71 (1900), *U. S. e. of Gr. Plains.* — COCK., Amer. nat., xxxiv, 290 (1900), *N. Mex., Ariz.* — SMITH, Ins. *N. J.*,

160 (1900), *N. J.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica*.

securiferum BRUNN., Mon. Phaneropt., 337 (1878), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 357, 359 (1898), *Id.*

subaequale WALK., Cat. Derm. salt. Brit. mus., ii, 372 (1869), *St. Dom.*

supremum WALK., Cat. Derm. salt. Brit. mus., ii, 370-371 (1869), *Mex.*

tarascum WALK., Cat. Derm. salt. Brit. mus., ii, 370 (1869), *Mex.*

thoracicum SCUDD., Bost. journ. nat. hist., vii, 447-448 (1862), *Fla.* — WALK., Cat. Derm. salt. Brit. mus., ii, 369 (1869), *Fla., Jam.*

toltecum WALK., Cat. Derm. salt. Brit. mus., ii, 370 (1869), *Mex.*

triangulatum BRUNN., Mon. Phaneropt., 338 (1878), *Guadeloupe, St. Thom.*

vividum WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 42 (1871), *Mex.*

Microtes

nubila SCUDD., Cat. ent., xxxii, 330 (1900), *Cal.*

Mimetica

aridifolia SAUSS.-PICT., Biol. centr. amer., Orth., 452, 454, pl. 22, figs. 12, 13 (1898), *Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 55 (1900), *Id.*

brunneri SAUSS.-PICT., Biol. centr. amer., Orth., 452, 453, pl. 22, fig. 8 (1898), *Guat., Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 55 (1900), *Costa Rica*.

marmorata SAUSS.-PICT., Biol. centr. amer., Orth., 452, 453-454, pl. 22, figs. 10, 11 (1898), *Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 55 (1900), *Costa Rica*.

mortuifolia PICT., Mém. soc. phys. hist. nat. Gen., xxx, no. 6, 30-32, pl. 1, figs. 13, 13ab (1888), *Amer. centr.* — BRUNN., Mon. Pseudoph., 256, pl. 10, fig. 112 (1895), *Amer. centr., Pan., Costa Rica*. — SAUSS.-PICT., Biol. centr. amer., Orth., 452-453, pl. 22, fig. 7 (1898), *Guat.*

siccifolia SAUSS.-PICT., Biol. centr. amer., Orth., 452, 454, pl. 22, figs. 14-16 (1898), *Pan.*

viridifolia BRUNN., Mon. Pseudoph., 257 (1895), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 452, 454 (1898), *Id.*

Miogryllus

brevipennis SAUSS., Biol. centr. amer., Orth., 227-228 (1897), *Mex., Peru.*

micromegas SAUSS., Biol. centr. amer., Orth., 227 (1897), *Mex., Nicar.*

pusillus SAUSS., Biol. centr. amer., Orth., 227 (1897), *Mex., Guiana, Brazil, Peru.*

Mionyx

dohrnianus SAUSS.-ZEHNTN., Biol. centr. amer.; Orth., 168, pl. 9, fig. 16 (1894), *Guat.*

ferus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 167, pl. 10, figs. 15, 16 (1894), *Pan.*

lineativentris SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 168 (1894), *Pan.*

rapax SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 167, pl. 10, figs. 22-25 [Musonia r. on plate] (1894), *Costa Rica.*

saevus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 167-168, pl. 10, figs. 12-14 (1894), *Pan.*

Miopteryx

minuta SAUSS., Mant. amér., 116-117 (1871), *Amér.*

Mogisoplistus*

occidentalis SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 301 (1877), *Cala. mérid.*; Mél. orth., ii, 469 (1877), *Id.* — SCUDD., [Mogosi-] Proc. Bost. soc. nat. hist., xxvii, 215, 218 (1896), *Lower Cala.*

slossoni SCUDD., [Mogosi-] Psyche, viii, 55 (1897), *Fla.*; Cat. Orth. U. S., 87 (1900), *Id.*

Mogoplistes†

occidentalis SCUDD., Proc. Bost. soc. nat. hist., xii, 142 (1868), *Lower Cala.*; Ent. notes, ii, 5 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 52 (1869), *Id.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — SAUSS., Miss. scient. Mex., Rech., zool., vi, 424 (1874), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 215 (1896).

Mogosioplistus

See Mogisoplistus.

Monachidium

superbum STAL., Öfv. vet.-akad. förhandl., 1855, 352 (1855), *Honduras.* — WALK., Cat. Derm. salt. Brit. mus., iii, 547 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 239 (1873), *Id.*

Monachoda

thunbergi BRUNN., Blatt., 368 (1865), *Id.*

See also Blatta (Monachoda) thunbergi.

* *See also* Mogoplistes.

† *See also* Mogisoplistus.

Moncheca

pretiosa WALK., Cat. Derm. salt. Brit. mus., ii, 289-290 (1869), *Hond., Mex.*

Morsea

californica SCUDD., Psyche, viii, 179 (1898), *Cala.* — BURR, Ess. Eumast., 17, 64 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Id.*

Munatia

punctata STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 28 (1875), *Pan.* — PICT.-SAUSS., Bull. soc. ent. suisse, vii, 340 (1887), *Id.*; Cat. Acrid., i, 10 (1887), *Id.*

Musonia

cubensis WESTW., Rev. Mant., 6 (1889), *Cuba.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 165 (1894), *Antill.*

femorata SAUSS.-ZEHTN., Biol. centr. amer., Orth., 166, pl. 10, figs. 20, 21 (1894), *Nicar.*

lineativentris WESTW., Rev. Mant., 6 (1889), *Pan., Colombia.*

rapax. See *Mionyx rapax*

surinama BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 206 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 605 (1893), *Grenada, St. Vinc.*

Myrmecophila

formicarum SCUDD., Psyche, viii, 425, 426 (1899), *Cala.*; Cat. Orth. U. S., 87 (1900), *Id.* — DONISTH., Ent. rec., xii, 163 (1900), *Id.*

nebrascensis BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — LUGG., Orth. Minn., 260, fig. 169 (1898), *Minn.* — SCUDD., Psyche, viii, 425, 427-428 (1899), *Nebr., N. Mex.*; Cat. Orth. U. S., 87 (1900), *Minn. to N. Mex.* — DONISTH., Ent. rec., xii, 163 (1900), *Nebr.* — WHEEL., Psyche, ix, 111-115, fig. (1900), *Tex.*

nehawkae BRUN., Scudd., Psyche, viii, 425, 428 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Id.* — DONISTH., Ent. rec., xii, 163 (1900), *Id.*

oregonensis BRUN., Can. ent., xvi, 43 (1884), *Or.* — FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Victoria.* — TAYL., Ott. nat., xii, 59 (1898), *Vanc.* — SCUDD., Psyche, viii, 425, 426-427 (1899), *B. C., Or.*; Cat. Orth. U. S., 87 (1900), *Id.* — DONISTH., Ent. rec., xii, 163 (1900), *Id.*

pergandei BRUN., Can. ent., xvi, 42-43, figs. 4ab (1884), *Atl. st. from Md. south.* — RIL., Stand. nat. hist., ii, 181 (1884), *D. C., Wash.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — SCUDD., Psyche, viii, 424, 425-426

(1899), *D. C., Geo.*; Cat. Orth. U. S., 87 (1900), *South. Atl. st.* — DONISTH., Ent. rec., xii, 162 (1900), [*District*] *Columbia*. — SMITH, Ins. N. J., 164 (1900), *N. J.*

Nannotettix

marginatus BRUNN., Mon. Pseudoph., 214 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 437-438, pl. 21, fig. 1 (1898), *Id.*

vittatus BRUNN., Mon. Pseudoph., 214 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 438 (1898), *Id.*

Napaia

gracilis McNEILL, Proc. Davenport. acad. nat. sc., vi, 213-214, pl. 2, figs. 6, 6a-d (1897), *Calif.* — SCUBB., Cat. Orth. U. S., 25-26 (1900), *Id.*

Nauphoeta

cinerea SAUSS., Orth. Amér. moy., 204 (1864), *Cuba, île de France, cosmop.* — WALK., Cat. Blatt. Brit. mus., 37 (1868), *Cuba, Isle of France, Sumatra, Manila, St. Dom.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 104 (1870), *Pays chauds, Brésil, Mex.* — BOL., Mém. soc. zool. France, i, 132 (1888), *Cuba, Mex., Brazil*; Orth. Cuba, 17 (1888), *Id.* — GUNDL., Ent. cub., ii, 316-317 (1890), *Cuba*. — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 101 (1893), *Mex., Cuba, Brazil.*

circumvagans SAUSS., Miss. scient. Mex., Rech. zool., vi, 104 (1870), *Antill., Brésil, îles d'Afrique.* — BOL., Anal. soc. esp. hist. nat., x, 470 (1881), *Antill., Mex.*; Not. ent., 24 (1881), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 101 (1893), *Trop. Amer., Brazil, Antill., Insul. Afr.*

laevigata BRUNN., Blatt., 285, pl. 7, fig. 33 (1865), *Brazil, Cuba, St. Dom., Teneriffe, Madeira.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 104 (1870), *Antill., Mex.* — BOL., Artr. viaje Pac., Neur. y ort., 19 (1884), *Cuba*; Mém. soc. zool. France, i, 132 (1888), *Id.*; Orth. Cuba, 17 (1888), *Id.* — GUNDL., Ent. cub., ii, 316 (1890), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 101 (1893), *Mex., Guat., Antill.* — BRUNN., Proc. zool. soc. Lond., 1893, 604 (1893), *Grenada.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 60 (1895), *Nicar.*

pallida BRUNN., Blatt., 286 (1865), *Cuba.* — WALK., Cat. Derm. salt. Brit. mus., i, 122 (1869), *Id.*

Nautia

flavosignata STÅL, Bih. sv. vet.-akad. handl., v, no. 4, 87 (1878), *Pan.*

Necroscia

cyllarus WESTW., Cat. Phasm. Brit. mus., 155, pl. 13, fig. 2, pl. 14, fig. 5 (1859), *Jam.* — COCK., Ins. life, v, 268 (1893), *Id.*

Neduba

carinata WALK., Cat. Derm. salt. Brit. mus., ii, 251 (1869), *Cala*.

Nemobiopsis

gundlachi BOL., Gundl., Ent. cub., ii, 370-371 (1891), *Cuba*.

Nemobius

affinis BEUT., Bull. amer. mus. nat. hist., vi, 249-250, 267, pl. 5, fig. 11 (1894), *Conn.*, *N. Y.* — SMITH, Ins. N. J., 164 (1900), *N. J.*

ambitosus SCUDD., Proc. Bost. soc. nat. hist., xix, 81-82 (1877), *Fla.*; Ent. notes, vi, 22-23 (1878), *Id.*; Journ. N. Y. ent. soc., iv, 99, 104 (1896), *Id.*; Psyche, vii, 432 (1896); Cat. Orth. U. S., 88 (1900), *Id.*

atterimus SCUDD., Journ. N. Y. ent. soc., iv, 100, 105 (1896), *Fla.*; Psyche, vii, 432 (1896); Cat. Orth. U. S., 88 (1900), *Id.*

canus SCUDD., Journ. N. Y. ent. soc., iv, 100, 103 (1896), *Tex.*; Psyche, vii, 432 (1896); Cat. Orth. U. S., 88 (1900), *Id.*

carolinus SCUDD., Proc. Bost. soc. nat. hist., xix, 36 (1877), *N. C.*; Ent. notes, vi, 14 (1878), *Id.*; Journ. N. Y. ent. soc., iv, 100, 107 (1896), *Me.*, *Mass.*, *Conn.*, *N. Y.*, *N. J.*, *Md.*, *Ind.*, *D. C.*, *Va.*, *N. C.*, *Fla.*, *La.*, *Tex.*, *Nebr.*; Psyche, vii, 433 (1896). — DAV., Proc. nat. sc. assoc. Stat. Isl., v, 96 (1896), *Staten Is.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa*. — SCUDD., Cat. Orth. U. S., 88 (1900), *Me. to Fla.*, *Tex. and Nebr.* — BLATCHL., Psyche, ix, 53 (1900), *Ind.* — SCUDD., *Ibid.*, ix, 104 (1900), *N. E.*

circumcinctus SCUDD., Proc. Bost. soc. nat. hist., xii, 143 (1868), *Mex.*; Ent. notes, ii, 6 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 57 (1869), *Id.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 385 (1874), *Id.* — SCUDD., Cent. Orth., 7 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 215 (1896).

comanchus SAUSS., Biol. centr. amer., Orth., 222 (1897), *Durango*, *Sinaloa*.

cubensis SAUSS., Miss. scient. Mex., Rech. zool., vi, 384-385, pl. 7, fig. 5 (1874), *Cuba*, *Mex.*, *Brazil*. — BOL., Mém. zool. soc. France, i, 156 (1888), *Cuba*; Orth. Cuba, 41 (1888), *Id.* — GUNDL., Ent. cub., ii, 367 (1891), *Id.* — BRUNN., Proc. zool. soc. Lond., 1893, 609 (1893), *Grenada*, *Cuba*, *Mex.*, *Costa Rica*, *La.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67 (1895), *Nicar.* — SCUDD., Journ. N. Y. ent. soc., iv, 99, 105-106 (1896), *Ill.*, *Me.*, *Fla.*, *Tex.*, *Cuba*, *Mex.*, *Nicar.*; Psyche, vii, 432 (1896). — PANT., Anal. soc. esp. hist. nat., xxv, 93 (1896), *Amer.* — SAUSS., Biol. centr. amer., Orth., 222 (1897), *Mex.* — SCUDD., Cat. Orth. U. S., 88 (1900), *South. U. S. e. Gr. Plains*, *Me.*, *Ill.*, *Iowa*. — BLATCHL., Psyche, ix, 54 (1900), *Ind.* — SCUDD., *Ibid.*, ix, 104 (1900), *N. E.*

delicatus SCUDD., Psyche, vii, 431, 433 (1896), *Mex.*

denticulatus SAUSS., Biol. centr. amer., Orth., pl. 11, fig. 25 (1897) [=neomexicanus in text, *q. v.*].

distinguendus SCUDD., Journ. N. Y. ent. soc., iv, 100, 101 (1896), *Mex.*; Psyche, vii, 431 (1896). — SAUSS., Biol. centr. amer., Orth., 222 (1897), *Id.*

ensifer SCUDD., Journ. N. Y. ent. soc., iv, 100, 101 (1896), *Centr. Amer.*; Psyche, vii, 431 (1896). — SAUSS., Biol. centr. amer., Orth., 224 (1897), *Id.*

exiguus SCUDD., Bost. Journ. nat. hist., vii, 429-430 (1862), *Mo., Minn.* — WALK., Cat. Derm. salt. Brit. mus., i, 57 (1869), *Id., Fla.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 18 (1872). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 391 (1874), *South. U. S.* — PROV., Nat. can., viii, 61 (1876), *Can.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — BLATCHL., Proc. Ind. acad. sc., 1891, 136 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — LUGG., Orth. Minn., 263 (1898), *Minn.* — BLATCHL., Psyche, ix, 53-54 (1900), *Ind.* — THER., Berl. ent. zeitschr., xlv, 258 (1900), *Colombia, S. A., south. N. A.*

fasciatus SCUDD., Bost. Journ. nat. hist., vii, 430-431 (1862), *Mass., Ind., S. C.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., i, 56 (1869), *Ind., Mass., S. C., Fla.* — SMITH, Rep. Conn. bd. agric., 1872, 354, 379 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 13 (1872). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 389 (1874), *U. S.* — SCUDD., Hitchc., Rep. geol. N. H., i, 365 (1874), *N. H. to S. C., La., Tex., west to Mo.* — STÅL, Rec. Orth., iii, 1 (1875), *Penn.* — PROV., Nat. can., viii, 61 (1876), *Can.*; Faune ent. Can., ii, 23 (1877), *Id.* — SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 75 (1877), *N. A.*; Mél. orth., ii, 243 (1877), *Id.* — BOL., Anal. soc. esp. hist. nat., x, 474 (1881), *Peru, U. S.*; Not. ent., 28 (1881), *Id.*; Artr. viaje Pac., Neur. y ort., 107 (1884), *Id.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 393 (1887), *Can.*; Can. Orth., 6 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 62, 69 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 100 (1888), *N. E.*; Orth. N. E., 16 (1888), *Id.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — MCNEILL, Psyche, vi, 6 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 31 (1892), *N. J.* — BLATCHL., Proc. Ind. acad. sc., 1891, 136 (1892), *Ind.* — SCUDD., Rep. ent. soc. Ont., xxiii, 65 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — GARM., Orth. Ky., 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 266-267, pl. 5, fig. 9 (1894), *N. Y.* — ASHM., Ins. life, vii, 25 (1894), *Miss.* — SCUDD., Journ. N. Y. ent. soc., iv, 100, 102-103 (1896), *Nova Scot. to N. C., west to plains*; Psyche, vii, 432 (1896). — PANT., Anal. soc. esp. hist. nat., xxv, 93 (1896), *Amer.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 221 (1897), *N. A., U. S., Mex.* — HARV.-KNIGHT, Psyche, viii, 77 (1897), *Me.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — LUGG., Orth. Minn., 261-263, fig. 170 (1898), *Minn.* — LOCHM., Ann. rep. ent. soc. Ont., xxviii, 42, figs. 29, 30 (1898). — SCUDD., Cat. Orth. U. S., 88 (1900), *Nova Scot. to N. C., west to Gr. Plains.* — BLATCHL., Psyche, ix, 51-52 (1900), *Ind.* — FOGG, Proc. Manch. inst. arts sc., i, 46 (1900), *N. H.*

- SCUDD., *Psyche*, ix, 104 (1900), *N. E.* — SMITH, ins. N. J., 164 (1900), *N. J. fasciatus vittatus* REUT., Bull. amer. mus. nat. hist., vi, 267, pl. 5, fig. 10 (1894), *N. Y.* — PIERCE, Trans. Nova Scot. inst. sc., ix, 210–211 (1896), *Nova Scotia*. — ZABR., Journ. N. Y. micr. soc., xiii, 1, 5, pl. 62, fig. 14 (1897). — LUGG., Orth. Minn., 262, fig. 170 (1898), *Minn.* — BLATCHL., Gleanings, 227, fig. 56 (1899), *Ind.*; *Psyche*, ix, 52 (1900), *Id.*
- hastatus** SAUSS., Biol. centr. amer., Orth., 222 (1897), *Mex.*
- longipennis** BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67 (1895), *Nicar.*
- maculatus** BLATCHL., *Psyche*, ix, 52–53 (1900), *Ind.*
- marginatus** MURTF., Ins. life, v, 155 (1893). — SCUDD., Journ. N. Y. ent. soc., iv, 99 (1896).
- melleus** SCUDD., *Psyche*, vii, 432, 434 (1896), *Mex.*
- mexicanus** WALK., Cat. Derm. salt. Brit. mus., i, 57 (1869), *Mex.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — SCUDD., Journ. N. Y. ent. soc., iv, 100, 106–107 (1896), *Cala., Mex.*; *Psyche*, vii, 433 (1896). — SAUSS., Biol. centr. amer., Orth., 224 (1897), *Mex.* — SCUDD., Cat. Orth. U. S., 88 (1900), *Cala.*
- mormonius** SCUDD., Journ. N. Y. ent. soc., iv, 101, 106 (1896), *Utah*; *Psyche*, vii, 433 (1896); Cat. Orth. U. S., 88 (1900), *Id.*
- neomexicanus** SCUDD., Journ. N. Y. ent. soc., iv, 100, 104 (1896), *N. Mex., Cala., Lower Cala.*; *Psyche*, vii, 432 (1896). — COCK., Ent. news, vii, 297 (1896), *N. Mex.* — SAUSS., Biol. centr. amer., Orth., 223 [denticulatus on plate, q. v.] (1897), *Can., Tex., N. Mex., Cala., Lower Cala., Mex.* — SCUDD., Cat. Orth. U. S., 88 (1900), *Cala. to Tex.*
- palustris** BLATCHL., *Psyche*, ix, 53 (1900), *Ind.*
- pictus** SCUDD., *Psyche*, vii, 431, 433–434 (1896), *N. Mex.*; Cat. Orth. U. S., 89 (1900), *Id.*
- pulicarius** WALK., Cat. Derm. salt. Brit. mus., i, 111 (1869), *Jam.*
See also *Gryllus* (Nemobius) *pulicarius*.
- pumilus**. See *Gryllus* (Nemobius) *pumilus*.
- socius** SCUDD., Proc. Bost. soc. nat. hist., xix, 37 (1877), *Geo.*; Ent. notes, vi, 15 (1878), *Id.*; Journ. N. Y. ent. soc., iv, 99, 103 (1896), *Fla., La., Tex., Geo.*; *Psyche*, vii, 432 (1896). — LUGG., Orth. Minn., 263 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 89 (1900), *Gulf. st.*
- toltecus** SAUSS., Rev. mag. zool., 1859, 316 (1859), *Mex.*; Orth. nova amer., i, 16 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 114 (1869), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 386–387 (1874), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 36 (1877), *Id.*; Ent. notes, vi, 14 (1878), *Id.*; Journ. N. Y. ent. soc., iv, 100, 106 (1896), *Id.*; *Psyche*, vii, 433 (1896). — SAUSS., Biol. centr. amer., Orth., 223–224 (1897), *Id.*
- trinitatis** SCUDD., Journ. N. Y. ent. soc., iv, 99, 104–105 (1896), *Trinidad*; *Psyche*, vii, 432 (1896).
- utahensis** SCUDD., Journ. N. Y. ent. soc., iv, 100, 103–104 (1896), *Utah*, *Psycho*, vii, 432 (1896); Cat. Orth. U. S., 89 (1900), *Id.*

vittatus PACK., Rep. nat. hist. Me., 1861, 376 (1861), *Me.* — SCUDD., Bost. journ. nat. hist., vii, 430 (1862), *Mass., Me., Conn.* — THOM., Trans. Ill. st. agric. soc., v, 443 (1865), *Ill.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 308-309 (1868), *N. E.*; Amer. nat., ii, 115 (1868), *Id.* — PACK., Guide ins., 564 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., i, 57, 114 (1869), *Mass., Me., Conn., Ind., Nova Scotia.* — RIL., Amer. ent. bot., ii, 373 (1870), *Ind.* — SMITH, Rep. Conn. bd. agric., 1872, 353, 370 (1872), *Conn.* — WALK., Can. ent., iv, 30 (1872), *Nova Scotia.* — SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1872), *Nebr.* — GLOV., Ill. N. A. ent., Orth., pl. 3, figs. 9, 10 (1872). — SCUDD., Hitchc., Rep. geol. N. H., i, 364, fig. 48 (1874), *N. H. to Nebr. and Md.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 389, 512 (1874), *U. S., N. E.* — PROV., Nat. can., viii, 60 (1876), *Can.*; Faune ent. Can., ii, 22 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 206 (1877), *Iowa.* — PACK., Amer. nat., xi, 422 (1877). — RIL., Stand. nat. hist., ii, 181 (1884), *U. S.* — BRUN., Bull. Washb. coll., i, 126 (1885), *Kans.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 380, 393 (1887), *Quebec, Montreal, Toronto*; Orth. Can., 2-3, 6 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 62, 60 (1888), *Can.* — COMST., Intr. ent., 121 (1888). — DAV., Ent. amer., v, 79 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — OSB., Bull. div. ent. U. S. dep. agric., xxiii, 59 (1891); Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 31 (1892), *N. J.* — BLATCHL., Proc. Ind. acad. sc., 1891, 135-136 (1892), *Ind.* — SCUDD., Rep. ent. soc. Ont., xxiii, 64-65, fig. 38 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — LOCHN., Ann. rep. ent. soc. Ont., xxviii, 42 (1898).

See also *Nemobius fasciatus vittatus.*

volaticus SCUDD., Proc. Bost. soc. nat. hist., xix, 36-37 (1877), *Geo.*; Ent. notes, vi, 14-15 (1878), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.*

Nemobius (Anaxipha)

septentrionalis SCUDD., Prov., Faune ent. Can., ii, 24 (1877), *Can.* — CAULF., Can. rec. sc., ii, 393 (1887), *Quebec, Rat Portage*; Can. Orth., 6 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 69 (1888), *Can.*

Neolobophora

bogotensis BORM., Biol. centr. amer., Orth., 8, pl. 2, fig. 9 (1893), *Costa Rica, Pan., Colombia*; Schultze, Tierreich, xi, 100 (1900), *Id.*

ruficeps BORM., Biol. centr. amer., Orth., 8, pl. 2, figs. 7, 8 (1893), *Mex., Guat., Costa Rica.* — BURR, Ann. soc. ent. Belg., xlv, 47 (1900), *Guat.* — BORM., Schultze, Tierreich, xi, 99 (1900), *Mex., Guat., Costa Rica.*

volSELLA SCUDD., Bull. U. S. geol. surv. terr., ii, 253 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 257-258, 326 (1876), *Id.*; Ent. notes, v, 12-13, 66

(1876), *Id.*; Cent. Orth., 36-37 (1879), *Id.*—BORM., Compt. rend. soc. ent. Belg., 1880, 73 (1880), *Id.*; Étude Forf. exot., 6 (1880), *Id.*—KIRB., Journ. Linn. soc. Lond., xxiii, 522 (1890), *Id.*—SCUDD., Proc. Bost. soc. nat. hist., xxvii, 203, 217 (1896).

Neortus

carolinensis BRUNN., Verh. zool.-bot. ges. Wien, 1888, 381 (1888), *Car., N. A., Mex.*; Mon. Stenop., 137 (1888), *Id.*—SAUSS.-PICOT., Biol. centr. amer., Orth., 309 (1897), *Id.*

jamaicensis BRUNN., Verh. zool.-bot. ges. Wien, 1888, 381, fig. 47 (1888), *Jan.*; Mon. Stenop., 137, fig. 47 (1888), *Id.*—SAUSS.-PICOT., Biol. centr. amer., Orth., 309 (1897), *Id.*

Neotettix

barretti HANC., Ent. news, x, 277-278 (1899), *Mex.*

bolivari HANC., Ent. news, ix, 139-140, pl. 8, figs. 2, 2a-d (1898), *La., Geo., N. C.*—SCUDD., Cat. Orth. U. S., 15 (1900), *South. U. S.*

bolteri HANC., Ent. news, ix, 139, 140, pl. 8, figs. 1, 1a-e (1898), *Fla.*—SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

femoratus HANC., Ent. news, ix, 139, 140-141 (1898), *Md.*—SCUDD., Cat. Orth. U. S., 16 (1900), *South. and west. st.*

quadriundulatus HANC., Can. ent., xxxii, 25 (1900), *Haiti.*

rotundifrons HANC., Ent. news, ix, 139, pl. 8, figs. 3, 3a-d (1898), *Fla.*—SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

Netrosoma

fusciforme SCUDD., Rev. Mel., 17-18, pl. 2, fig. 2 (1897), *Mex.*

nigropleura SCUDD., Rev. Mel., 18, pl. 2, fig. 3 (1897), *Mex.*

Nicarchus

erinaceus STÅL, Bih. sv. vet.-akad. handl., v, no. 4, 78 (1878), *Pan.*

Nichelius

fuscopictus BOL., Mém. soc. zool. France, i, 145-146 (1888), *Cuba*; Orth. Cuba, 30-31 (1888), *Id.*—GUNDL., Ent. cub., ii, 343-344 (1890), *Id.*

Nomotettix

acuminatus HANC., Ent. news, x, 8 (1899), *Kans.*—SCUDD., Cat. Orth. U. S., 15 (1900), *Id.*

209. *Nyctobora* (*Heminyctobora*)

carinatus BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

compressus MORSE, Journ. N. Y. ent. soc., iii, 15 (1895), *N. Y.* — SCUDD., Cat. Orth. U. S., 15 (1900), *Id.*

cristatus MORSE, Psyche, vii, 150-152, pl. 6, figs. 1, 1a-d (1894), *N. Y.*, *Ind.*, *Penn.*, *Geo.*, *Fla.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — MORSE, Psyche, viii, 320 (1899), *N. E.* — SCUDD., Cat. Orth. U. S., 15 (1900), *Ernst. U. S.*; Psyche, ix, 100 (1900), *N. E.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

parvus MORSE, Journ. N. Y. ent. soc., iii, 14-15 (1895), *Minn.* — LUGG., Orth. Minn., 106-107, fig. 62 (1898), *Id.* — SCUDD., Cat. Orth. U. S., 15 (1900), *Id.*

sinuifrons HANC., [sinuifrons] Ent. news, x, 278-279 (1899), *Minn.* — SCUDD., Cat. Orth. U. S., 92 (1900), *Id.*

Nyctibora

See Nyctobora, passim.

Nyctobora

azteca SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 56, pl. 4, fig. 34 (1893), *Guat.*

druryi WALK., [Nycti-] Cat. Blatt. Brit. mus., 147 (1868), *St. Dom.*, *Jan.*, *Brazil.*

holosericea BRUN., Proc. U. S. nat. mus., xii, 188 (1890), *Pan.* — SCUDD., Psyche, viii, 143 (1897), *N. Y.* — LUGG., Orth. Minn., 95, fig. 57 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 9 (1900), *N. Y.*, *Minn.*

mexicana SAUSS., Rev. mag. zool., 1862, 227 (1862), *Mex.*; Orth. nova amer., iii, 10 (1862), *Id.*; Orth. Amér. moy., 66 (1864), *Id.* — BRUN., Blatt., 147 (1865), *Id.* — WALK., [Nycti-] Cat. Blatt. Brit. mus., 147 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 68, pl. 2, figs. 38, 38b (1870), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 55 (1893), *Mex.*, *Guat.* — SCUDD., Cat. Orth. U. S., 9 (1900), *Nebr.* — SMITH, Ins. N. J., 150 (1900), *N. J.*

sericea SCUDD., Cat. Orth. U. S., 9 (1900), *Mass.*; Psyche, ix, 100 (1900), *N. E.* — HENSH., Ibid., ix, 119 (1900), *Mass.*

servillei WALK., [Nycti-] Cat. Blatt. Brit. mus., 149 (1868), *Rio Grande.*

stygia WALK., [Nycti-] Cat. Blatt. Brit. mus., 148-149 (1868), *St. Dom.*, *Hond.*

tomentosa SAUSS., Miss. scient. Mex., Rech. zool., vi, 69-70 (1870), *Amér. trop.*

Nyctobora (*Heminyctobora*)

truncata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 56, pl. 4, fig. 33 (1893), *Mex.*, *Guat.*

Ochetotettix

barretti MORSE, Biol. centr. amer., Orth., ii, 9 (1900), *Mex.*

volans MORSE, Biol. centr. amer., Orth., ii, 9, figs. (1900), *Mex.*

Ochrilidia

cinerea BRUN., Proc. U. S. nat. mus., xii, 52-53 (1890), *Wyo., Idaho, Dak., Nebr.*; Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

crenulata BRUN., Proc. U. S. nat. mus., xii, 51-52 (1890), *N. Mex., Mont., Wyo., Dak., Nebr.*; Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

occipitalis BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex., Ariz.*

Odontogryllus

sétosus BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 68 (1895), *Nicar.*

Oecanthus

angustipennis FITCH, Trans. N. Y. st. agric. soc., xvi, 411 (1856), *N. Y.*; Rep. ins. N. Y., iii, 95 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — MCNEILL, Ibid., v, 102-104 (1889). — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — BRUN., Bull. agric. exp. st. Nebr., iii, no. 14, 122 (1890). — MCNEILL, Psyche, vi, 6-8 (1891), *Ill.* — HART, Ent. news, iii, 33-34, fig. 5 (1892). — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 143-144 (1892), *Ind.* — SCUDD., Rep. ent. soc. Ont., xxiii, 67 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — GARM., Orth. Ky., 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 251, 270, fig. 3 (1894), *N. Y.* — BRUN., Rep. Nebr. st. hort. soc., 1895, 113 (1895). — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.* — ZABR., Journ. N. Y. micr. soc., xiii, 1, 5, pl. 62, fig. 8, (1897). — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — LUGG., Orth. Minn., 271, fig. 179 (1898), *Minn.* — LOCHM., Ann. rep. ent. soc. Ont., xxviii, 43, 44, figs. 31 : 2, 6 (1898). — SCUDD., Cat. Orth. U. S., 90 (1900), *N. Y. to Ky. and Nebr.* — SMITH, Ins. N. J., 164 (1900) *N. J.* — HENSH., Psyche, ix, 119, (1900), *Mass.*

argentinus SAUSS., Biol. centr. amer., Orth., 253-254 (1897), *Tex., Mex., Argent.* — SCUDD., Cat. Orth. U. S., 90 (1900), *Tex.*

bipunctatus SERV., Ann. sc. nat., xxii, 135 (1831), *Penn.* — WALK., Cat. Derm. salt. Brit. mus., i, 93 (1869), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 4, figs. 5, 6 (1872). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 462-464 (1874), *U. S., Mex.* — STÅL, Rec. Orth., iii, 3 (1875), *Penn.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — MCNEILL, Ibid., v, 104 (1889). — SMITH, Cat. ins. N. J., 409 (1890), *N. Y.* — MCNEILL, Psyche, vi, 9 (1891), *Ill.* — RIL., Ins. life, iv, 393 (1892). — HART, Ent. news, iii, 33-34, fig. 3 (1892). — BRUN., Publ.

Nebr. acad. sc., iii, 32 (1893), *Nebr.*—**SAUSS.**, *Biol. centr. amer.*, Orth., 255 (1897), *Md.*, *Tex.*, *Mex.*, *Guat.*, *Pan.*—**SCUDD.**, *Cat. Orth. U. S.*, 90 (1900), *U. S. e. Gr. Plains, exc. northern portions*; *Psyche*, ix, 104 (1900), *N. E.*—**SMITH**, *N. J.*, 165 (1900), *N. J.*

See also *Gryllus (Oecanthus) bipunctatus*.

californicus **SAUSS.**, *Miss. scient. Mex.*, *Rech. zool.*, vi, 462 (1874), *Cal.*—**SCUDD.**, *Cat. Orth. U. S.*, 90 (1900), *Id.*

discoloratus **FITCH**, *Trans. N. Y. st. agric. soc.*, xvi, 411 (1856), *N. Y.*; *Rep. ins. N. Y.*, iii, 95 (1859), *Id.*—**WALK.**, *Cat. Derm. salt. Brit. mus.*, i, 116 (1869), *Id.*

fasciatus **FITCH**, *Trans. N. Y. st. agric. soc.*, xvi, 412 (1856), *N. Y.*; *Rep. ins. N. Y.*, iii, 96 (1859), *Id.*—**WALK.**, *Cat. Derm. salt. Brit. mus.*, i, 116 (1869), *Id.*—**ALL.**, *Can. ent.*, xviii, 79 (1886).—**DAV.**, *Ent. amer.*, v, 80 (1889), *Staten Is.*—**MCNEILL**, *Ibid.*, v, 102-104 (1889).—**SMITH**, *Cat. ins. N. J.*, 408 (1890), *N. J.*—**BRUN.**, *Bull. agric. exp. st. Nebr.*, iii, no. 14, 122 (1890).—**MCNEILL**, *Psyche*, vi, 6-9 (1891), *Ill.*—**HART**, *Ent. news*, iii, 33-34, figs. 1, 2 (1892).—**OSB.**, *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.*—**BLATCHL.**, *Proc. Ind. acad. nat. sc.*, 1891, 143 (1892), *Ind.*—**SCUDD.**, *Rep. ent. soc. Ont.*, xxiii, 66-67 (1893).—**BRUN.**, *Publ. Nebr. acad. sc.*, iii, 32 (1893), *Nebr.*—**GARM.**, *Orth. Ky.*, 6 (1894), *Ky.*—**ASHM.**, *Ins. life*, vii, 25-26 (1894), *Miss.*—**BRUN.**, *Nebr. st. hort. rep.*, 1895, 69, 113 (1895).—**COCK.**, *Journ. N. Y. ent. soc.*, iv, 206 (1896), *N. Mex.*—**BLATCHL.**, *Orth. Ind.*, 23 (1897), *Ind.*—**BALL**, *Proc. Iowa acad. sc.*, iv, 236 (1897), *Iowa.*—**LUGG.**, [*fac.*] *Orth. Minn.*, 271-272, figs. 180-183 (1898), *Minn.*—**SCUDD.**, *Cat. Orth. U. S.*, 90 (1900), *North. U. S., e. Gr. Plains.*—**SMITH**, *Ins. N. J.*, 164 (1900), *N. J.*

flavipes **WALK.**, *Cat. Derm. salt. Brit. mus.*, i, 94 (1869), *St. Thom.*

formosus **WALK.**, *Cat. Derm. salt. Brit. mus.*, i, 94 (1869), *Mex.*—**THOM.**, *Amer. ent.*, ii, 206 (1870), *Id.*

fuscipes **FITCH**, *Trans. N. Y. st. agric. soc.*, xvi, 411 (1856), *N. Y.*; *Rep. ins. N. Y.*, iii, 95 (1859), *Id.*—**WALK.**, *Cat. Derm. salt. Brit. mus.*, i, 116 (1869), *Id.*

latipennis **RIL.**, *Bull. U. S. ent. comm.*, vi, 61 (1881), *Mo.*, *Ala.*, *Tex.*; *Stand. nat. hist.*, ii, 182 (1884), *U. S.*—**BRUN.**, *Rep. ent. Nebr. bd. agric.*, 1888, 120, fig. 39 (1888).—**MCNEILL**, *Ent. amer.*, v, 102-104 (1889).—**RIL.**, *Ins. life*, ii, 125 (1889).—**MURTF.**, *Ibid.*, ii, 130-132 (1889).—**WEEKS**, *Ibid.*, ii, 282 (1890).—**BRUN.**, *Bull. agric. exp. st. Nebr.*, iii, no. 14, 121-124, fig. 86 (1890).—**HOW.**, *Ins. life*, iv, 124 (1891).—**MCNEILL**, *Psyche*, vi, 6-9 (1891), *Ill.*—**HART**, *Ent. news*, iii, 33-34, fig. 6 (1892).—**OSB.**, *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.*—**SCUDD.**, *Rep. ent. soc. Ont.*, xxiii, 67 (1893).—**BRUN.**, *Publ. Nebr. acad. sc.*, iii, 32 (1893), *Nebr.*—**BEUT.**, *Bull. amer. mus. nat. hist.*, vi, 272 (1894), *Staten Is.*—**BRUN.**, *Nebr. st. hort. rep.*, 1895, 69, 113, fig. 40 (1895).—**DAV.**, *Journ. N. Y. ent. soc.*, iii, 142 (1895), *Staten Is.*; *Proc. nat. sc. assoc. Staten Isl.*, v, 96 (1896), *Id.*—**ZABR.**, *Journ. N. Y. micr. soc.*, xiii, 1, 5, pl. 62, fig. 5 (1897).—**BLATCHL.**,

- Orth. Ind., 23 (1897), *Ind.*—BALI, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa*.—LUGG., Orth. Minn., 273, fig. 184 (1898), *Minn.*—SCUDD., Cat. Orth. U. S., 90 (1900), *U. S. e. Gr. Plaëis.*—SMITH, Ins. N. J., 165 (1900), *N. J.*
nigricornis WALK., Cat. Derm. salt. Brit. mus., i, 93 (1869), *Ill.*—THOM., Amer. ent., ii, 206 (1870), *Id.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 461 (1874), *U. S.*, *Ill.*—BRUN., Rep. ent. Nebr. bd. agric., 1888, 120 (1888); Bull. agric. exp. st. Nebr., iii, no. 14, 121-122 (1890).—OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa*.—BEUT., Bull. amer. mus. nat. hist., vi, 250, 270, fig. 4 (1894), *N. Y.*—BRUN., Nebr. st. hort. rep., 1895, 113 (1895).—DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.*—ZABR., Journ. N. Y. mier. soc., xiii, 1, 5, pl. 62, fig. 7 (1897).—SAUSS., Biol. centr. amer., Orth., 255 (1897), *Mex., Yucatan*.—LOCHN., Ann. rep. ent. soc. Ont., xxviii, 43, 44, figs. 31: 3, 4, 7-13 (1898).—SCUDD., Cat. Orth. U. S., 90 (1900), *N. Y. to Nebr.*—SMITH, Ins. N. J., 164 (1900), *N. J.*—HENSH., Psyche, ix, 119 (1900), *N. H., Mass.*
- niveus* SERV., Ann. sc. nat., xxii, 135 (1831), *Penn.*; Orth., 361 (1839), *Amer. sept.*—HARR., Ins. inj. veg., 1 ed., 124 (1841, 1842), *Mass.*; Ibid., 2 ed., 135 (1852), *Id.*—FITCH, Trans. N. Y. st. agric. soc., xvi, 404-411 (1856), *N. Y.*; Rep. ins. N. Y., iii, 86-95 (1859), *Id.*—HARR., Ins. inj. veg., 3 ed., 154, figs. 71, 72 (1862), *Mass.*—SCUDD., Bost. journ. nat. hist., vii, 431-432 (1862), *Mass., Conn.*—RATHV., Rep. U. S. dep. agric., 1862, 381, pl., figs. 17, 18 (1862).—THOM., Trans. Ill. st. agric. soc., v, 444 (1865), *Ill.*—WALSH, Pract. ent., i, 73, 126 (1866), *North. st., Ill.*; Ibid., ii, 54, 74, fig. (1867), *Ill., Mo.*—ORT., Ibid., ii, 94 (1867), *Ohio*.—WALSH, Ibid., ii, 96 (1867), *N. Y.*—SCUDD., Proc. Bost. soc. nat. hist., xi, 309 (1868), *N. E.*; Amer. nat., ii, 116, figs. 1, 1a (1868), *Id.*—WALSH-RIL., Amer. ent., i, 38, fig. 30 (1868), *Mo., Nebr.*—WALK., Cat. Derm. salt. Brit. mus., i, 93 (1869), *N. A., Mex., Jan.*—WALSH-RIL., Amer. ent., i, 100, 147, 247 (1869), *Ill., Ohio*.—RIL., Rep. ins. Mo., i, 138, figs. 77, 78 (1869), *Ill., Mo.*—PACK., Guide ins., 564, figs. 30, 561, 562 (1869), *Atl. st.*—RIL., Amer. ent., ii, 128 (1870), *Ill.*—WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 14 (1871), *Mass.*—THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *N. Mex.*—SAUND., Rep. fruit gr. assoc. Ont., 1870, 115, figs. 51, 52 (1871), *Ont.*—GLOV., Ill. N. A. ent., Orth., pl. 4, figs. 1, 2 (1872).—SMITH, Rep. Conn. bd. agric., 1872, 352, 379, fig. 4 (1872), *Conn.*—SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1872), *Nebr.*—RIL., Rep. ins. Mo., v, 120, fig. 49 (1873), *Mo.*—GLOV., Rep. U. S. dep. agric., 1873, 143, fig. 16 (1873), *D. C.*—SAUSS., Miss. scient. Mex., Rech. zool., vi, 458-460 (1874), *Mass., Conn., N. Y., Cal., Cuba*.—SAUND., Rep. ent. soc. Ont., 1873, 10, figs. 5, 6 (1874), *Ont.*—SCUDD., Hitchc., Rep. geol. N. H., i, 365, figs. 49, 50 (1874), *N. H., Mass.*—STÅL, Rec. Orth., iii, 3 (1875), *Penn.*—PROV., Faune ent. Can., ii, 16 bis, figs. 3, 4 (1877), *Can.*—UHL., Bull. U. S. geol. surv. terr., iii, 792 (1877), *Col.*—BESS., Bienn. Rep. Iowa agric. coll., vii, 206 (1877), *Iowa*.—GIR., Traité ent., ii, 137 (1879), *N. A.*—SCUDD., Psyche, iii, 77 (1880).—FULL., Amer. ent., iii, 91-92, figs. 30, 31, 32a-c (1880).—COMST., Rep. U. S. ent., 1880, 271-272 (1881), *N. Y., Ohio, Kans., Penn.*—

RIL., Bull. U. S. ent. comm., vi, 60 (1881). — PACK., Ibid., vii, 60–61, figs. 20, 21 (1881), *South. st.* — SAUND., Ins. inj. fruits, 308, 310, figs. 319–321 (1883). — PLANCH., Amer. nat., xvii, 1073 (1883), *France*. — AYERS, Mem. Bost. soc. nat. hist., iii, 225–281, pl. 18–25 (1884). — RIL., Ständ. nat. hist., ii, 182, figs. 256, 257a–d (1884), *U. S.* — BRUN., Rep. U. S. ent., 1884, 399 (1885), *Nebr.*; Bull. Washb. coll., i, 126 (1885), *Kans.* — ALL., Can. ent., xviii, 79 (1886). — CAULF., Ibid., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 380, 394 (1887), *Can.*; Can. Orth., 3, 6 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 62, 69 (1888), *Id.* — BOL., Mém. soc. zool. France, i, 158 (1888), *N. A., Cuba, Antill., Brazil*; Orth. Cuba, 43 (1888), *Id.* — COMST., Intr. ent., 122, figs. 109, 110a–d (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 101, figs. 7–9 (1888), *N. E.*; Orth. N. E., 17, figs. 7–9 (1888), *Id.* — BRUN., Rep. ent. Nebr. bd. agric., 1888, 118–120, figs. 36–38 (1888). — LINTN., Rep. ins. N. Y., iv, 147 (1888). — PACK., Psyche, v, 199 (1889). — HALL, Ins. life, i, 319 (1889), *Ohio*. — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — MCNEILL, Ibid., v, 102–104 (1889). — RIL., Ins. life, ii, 125 (1889). — MURTF., Ibid., ii, 130–132 (1889). — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — PACK., Ins. inj. for., 230, 591, figs. 75, 76 (1890). — BRUN., Bull. agric. exp. st. Nebr., iii, no. 14, 119–125, figs. 83–85 (1890). — COMST.-SLING., Bull. exp. st. Corn. univ., div. ent., xxiii, 124–126, figs. 16–17 (1890). — LUGG., Ins. inj. sm. fruits, 6–7, fig. 3 (1890). — GUNDL., Ent. cub., ii, 372–373 (1891), *Cuba*. — HOW., Ins. life, iv, 124 (1891). — MCNEILL, Psyche, vi, 6–8 (1891), *Ill.* — HART, Ent. news, iii, 33–34, fig. 4 (1892). — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa*. — SMITH, Bull. N. J. exp. st., xc, 25, figs. 17, 17a–d (1892). — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 141–143 (1892), *Ind.* — WEBST., Bull. Ohio exp. st., (2), xlv, 206–207, figs. 31–32 (1892). — SCUDD., Rep. ent. soc. Ont., xxiii, 65–66, figs. 39–41 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — OSB., Papers Iowa ins., 29, figs. 31–33 (1893), *Iowa*. — SCUDD., Psyche, vii, 4–5 (1894). — BRUN., Rep. Nebr. st. hort. soc., 1894, 163, 189–190, figs. 37–39 (1894). — BEUT., Bull. amer. mus. nat. hist., vi, 269, fig. 2, pl. 5, figs. 12, 13 (1894), *N. Y.* — BRUN., Nebr. st. hort. rep. 1895, 69, 110–112, figs. 37–39 (1895). — COMST., Man. study ins., 118, fig. 136 (1895). — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.* — SCUDD., Harp. mag., xciii, 693–694, 3 figs. (1896). — LINTN., Rep. st. mus. N. Y., xlix, 271 (1896). — ZABR., Journ. N. Y. micr. soc., xiii, 1, 5, pl. 62, figs. 1, 4 (1897). — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 253 (1897), *U. S., Mex., Guat., Cuba*. — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa*. — WEED, Life hist. amer. ins., 55–58, figs. 18, 19 (1897). — LUGG., Orth. Minn., 269–271, figs. 177, 178 (1898), *Minn.* — LOCUM., Ann. rep. ent. soc. Ont., xxviii, 43, 44, figs. 27, 28, 31: 1, 5 (1898). — BESS., Amer. nat., xxxii, 263–264 (1898). — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, figs. 48, 49 (1899). — BLATCHL., Gleanings, 229–231, figs. 57, 58 (1899), *Ind.* — EDES, Amer. nat., xxxiii, 935–938 (1899). — SCUDD., Cat. Orth. U. S., 91 (1900), *U. S. and Can.* — FOGG, Proc. Manch. inst. arts sc., i, 46 (1900), *N. H.* — SCUDD., Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 164 (1900), *N. J.* — REHN, Trans. amer. ent. soc., xxvii, 88 (1900), *Mex.*

See also *Acheta* (*Oecanthus*) *nivea* and *Gryllus* (*Oecanthus*) *niveus*.

pini BEUT., Journ. N. Y. ent. soc., ii, 56 (1894), *Conn.*; Bull. amer. mus. nat. hist., vi, 271, fig. 6[♂] (1894), *Id.* — SCUDD., Cat. Orth. U. S., 91 (1900), *Id.*; Psyche, iv, 104 (1900), *N. E.* — SMITH, Ins. N. J., 165 (1900), *N. J.* — HENSH., Psyche, ix, 119 (1900), *Mass.*

punctulatus FITCH, Trans. N. Y. st. agric. soc., xvi, 413 (1856), *South. st.*; Rep. ins. N. Y., iii, 97 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.*

quadripunctatus BEUT., Bull. amer. mus. nat. hist., vi, 250-251, 271, fig. 5 (1894), *N. Y.* — DAV., Proc. nat. sc. assoc. Staten Isl., v, 96 (1896), *Id.* — ZABR., Journ. N. Y. micr. soc., xiii, 1, 5, pl. 62, figs. 2, 3, 6, 9-11 (1897). — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., Cat. Orth. U. S., 91 (1900), *N. Y. to Ind.* — SMITH, Ins. N. J., 165 (1900), *N. J.* — HENSH., Psyche, ix, 119 (1900), *Mass.*

tenuis BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 68 (1895), *Nicar.*

varicornis WALK., Cat. Derm. salt. Brit. mus., i, 94 (1869), *Mex.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 460-461 (1874), *Mex., Amér. centr.*; Biol. centr. amer., Orth., 254-255, pl. 12, figs. 24, 25 (1897), *Mex., Guat., Pan., Peru.*

Oedaleonotus

collaris SCUDD., Proc. amer. acad. arts sc., xxxii, 206 (1897), *Pac. coast.*
See also Oedaleonotus enigma collaris.

enigma SCUDD., Rep. ent. soc. Ont., xxv, 65 (1896), *Cala. to Wash.*; Rev. Mel., 391-393, pl. 26, figs. 4-6 (1897), *Idaho, Wash., Or., Cala., Nev., Ariz.*; Cat. Orth. U. S., 66 (1900), *Pac. coast.*

• **enigma collaris** SCUDD., Rev. Mel., 391, pl. 26, fig. 6 (1897).

enigma enigma SCUDD., Rev. Mel., 391, pl. 26, fig. 5 (1897).

• **enigma jucundus** SCUDD., Rev. Mel., 391, pl. 26, fig. 4 (1897).

jucundus. See Oedaleonotus enigma jucundus.

Oedipoda

aequalis UHL., Harr., Ins. inj. veg., 3 ed., 178-179 (1862), *Mass.* — SCUDD., Can. nat., vii, 287 (1862), *Winnipeg*; Bost. journ. nat. hist., vii, 470-471 (1862), *Mass., Conn., Minn., Manit.*; Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Ill., Fla.* — THOM., Proc. acad. nat. sc. Philad., 1870, 80 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Col., Wyo.* — SMITH, Rep. Conn. bd. agric., 1872, 381 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 8 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 114 (1873), *Conn., Mass., Minn., Brit. Amer., Ill., Dak., Fla.*; Key Ill. Orth., 3 (1875?), *Ill.* — BESS., Bienn. rep. Iowa agric. coll., vii, 208 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Rep. ent. Ill., ix, 90, 94, 109-110 (1880), *Ill.* — CAULF., Can. rec. sc., ii, 401 (1887), *Manit.*; Can. Orth., 13 (1887), *Id.*

undulata. See Oedipoda undulata.

atrox SCUDD., Rep. U. S. geol. surv. Nebr., 253 (1872), *Cala., Or.*—GLOV., Rep. U. S. dep. agric., 1871, 77, fig. 10 (1872), *Cala.*—THOM., Rep. U. S. geol. surv. terr., v, 458 (1872), *Id.*—SMITH, Rep. Conn. bd. agric., 1872, 373 (1872), *Pac. coast.*—GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 3 (1872); Rep. U. S. dep. agric., 1873, 137, fig. 10 (1873), *Cala., Or.*—THOM., Rep. U. S. geol. surv. terr., v, 136 (1873), *Cala., Mont.*; Rep. U. S. geol. surv. w. 100 mer., v, 846 (1875), *Cala., Wyo.*—RIL., Amer. nat., xi, 669 (1877), *Cala.*; Loc. plague, 89 (1877); Rep. U. S. ent. comm., i, 454–455, fig. 109 (1878), *Id.*—GIR., Traité ent., ii, 238 (1879), *Cala., N. A.*—THOM., Amer. ent., iii, 251 (1880).—RIL.—THOM., Rep. U. S. ent. comm., ii, 243–244 (1881).

azteca SAUSS., Rev. mag. zool., 1861, 397 (1861), *Mex.*; Orth. nova amer., ii, 28 (1861), *Id.*—WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Id.*—THOM., Rep. U. S. geol. surv. terr., v, 215 (1873), *Id.*

belfragei STAL, Rec. Orth., i, 129 (1873), *Ill.*; Rep. U. S. geol. surv. w. 100 mer., v, 878 (1875), *Id.*; Bull. Ill. mus. nat. hist., i, 65 (1876), *Id.*; Rep. ent. Ill., ix, 90, 94, 111–112 (1880), *Ill., Mich.*

carinata SCUDD., Trans. amer. ent. soc., ii, 306 (1869), *Iowa.*—WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 76 (1871), *Id.*—GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 7 (1872).

carliniana THOM., Proc. acad. nat. sc. Philad., 1870, 81 (1870), *Col.*; [carling-] Ann. rep. U. S. geol. surv. terr., ii, 265, 275 (1871), *Col., Wyo.*; [carling-] Ibid., v, 459 (1872), *Mont.*—GLOV., [carling-] Ill. N. A. ent., Orth., pl. 12, fig. 21 (1872).—THOM., [carling-] Rep. U. S. geol. surv. terr., v, 126 (1873), *Col., Wyo., Mont.*—UHL., [carling-] Bull. U. S. geol. surv. terr., iii, 794 (1877), *Col.*

carolina BURM., Handb. ent., ii, 643 (1838), *N. A.*—SERV., Orth. 722 (1839), *N. A., Car., Penn.*—PACK., Rep. nat. hist. Me., 1861, 373 (1861), *Me.*—UHL., Harr., Ins. inj. veg., 3 ed., 176 (1862), *Mass.*—SCUDD., Bost. journ. nat. hist., vii, 468 (1862), *Mass., Me., Conn.*—WALSH, Proc. ent. soc. Philad., vi, 119 (1866).—SMITH, Proc. Portl. soc. nat. hist., i, 150 (1868), *Me.*—SCUDD., Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.*; Ibid., xii, 99 (1868).—WALSH—RIL., Amer. ent., i, 16, 52 (1868), *Ill., Iowa, Mo., N. Y.*—PACK., Guide ins., 571 (1869), *Atl. st.*—THOM., Proc. acad. nat. sc. Philad., 1870, 79 (1870), *Col.*—WALK., Cat. Derm. salt. Brit. mus., iv, 729 (1870), *Pac. coast, Vanc., Can., Nova Scotia, Geo., Ind.*—THOM., Rep. U. S. geol. surv. terr., ii, 265 (1871), *Col.*—DODGE, Can. ent., iv, 15 (1872), *Nebr.*—SMITH, Rep. Conn. bd. agric., 1872, 371, 381 (1872), *N. E., Conn.*—WALK., Can. ent., iv, 31 (1872), *Can., Nova Scotia.*—THOM., Ann. rep. U. S. geol. surv. terr., v, 458 (1872), *U. S. exc. Ariz. and Cala.*—GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 3 (1872).—SCUDD., Rep. U. S. geol. surv. Nebr., 251 (1872), *Nebr.*—STAL, Rec. Orth., i, 129 (1873), *N. A.*—THOM., Rep. U. S. geol. surv. terr., v, 117 (1873), *Me., Mass., Conn., N. Y., S. C., Penn., Tenn., Nebr., Kans., Mo., Dak., Minn., Miss., Nev., N. Mex., Col., Wyo., Utah, Ill., Geo., Ind., Vanc.*—SCUDD., Hitchc., Rep. geol. N. H., i, 376 (1874), *N. H., south to Geo., Miss., west to N. Mex., Col., Nebr., Utah, Wyo., Vanc.*—THOM., Rep. U. S. geol.

surv. w. 100 mer., v, 876 (1875), *Nev., Ariz., D. C.*; Key Ill. Orth., 3 (1875?), *Ill.* — RIL., Ann. rep. ins. Mo., vii, 179 (1875), *Mo.* — PUTN., Proc. Davenp. acad. nat. sc., i, 266 (1876), *Iowa.* — THOM., Bull. Ill. mus. nat. hist., i, 64 (1876), *Ill.* — PROV., Nat. can., viii, 113 (1876), *Can.* — UHL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Atl. to Rocky Mts.* — BESS., Bienn. rep. Iowa agric. coll., vii, 208 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — RIL., Rep. U. S. ent. comm., i, 220, 226, 305-306, 327 (1878), *Mo.* — PACK., *Ibid.*, i, [140]-[141] (1878), *Or., Wash., Utah, Nev., Cal.* — GIR., *Traité ent.*, ii, 239 (1879), *U. S.* — THOM., Rep. ent. Ill., ix, 88, 94, 111 (1880), *Ill.* — TOWNS., Can. ent., xvi, 167-168 (1884). — CAULF., Rep. ent. soc. Ont., xviii, 66 (1888), *Can.* — SCHWARZ, Proc. ent. soc. Wash., i, 253-254 (1890).

See also *Aceridium* (Oedipoda) *carolinum* and *Dissosteira* (Oedipoda) *carolina*.

cincta THOM., Proc. acad. nat. sc. Philad., 1870, 80-81 (1870), *N. Mex.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 275 (1871), *N. Mex., Col.*; *Ibid.*, v, 464 (1872), *Col., Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 12, fig. 13 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 122 (1873), *Col., Wyo., Ill.*; Rep. U. S. geol. surv. w. 100 mer., v, 878 (1875), *West. U. S.* — DODGE, Can. ent., viii, 102 (1876), *Nebr.* — BRUN., *Ibid.*, ix, 144 (1877), *Id.*; Rep. U. S. ent. comm., iii, 58 (1883), *Col., Wyo., Ill.*

collaris SCUDD., Rep. U. S. geol. surv. Nebr., 250 (1871), *Nebr.* — DODGE, Can. ent., ix, 15 (1872), *Id.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 459 (1872), *Col., Nebr.*; Rep. U. S. geol. surv. terr., v, 113 (1873), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 16 (1874). — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Rep. ent. Ill., ix, 90, 94, 110-111 (1880), *Ill.*

corallina PACK., Guide ins., 571 (1869), *Atl. st.* — HARR., Can. ent., xv, 205 (1883).

corallipes HALD., Stansb., Expl. Utah, 371, pl. 10, fig. 2 (1852, 1853), *Utah.* — TAYL., Rep. Smiths. inst., 1858, 206 (1858), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Arct. Amer., Utah, Ind., Mass.* — THOM., Amer. ent., ii, 82 (1870), *N. Mex., Nebr.*; Proc. acad. nat. sc. Philad., 1870, 79 (1870), *Nebr., Wyo.*; Rep. U. S. geol. surv. terr., ii, 265, 274 (1871), *Col., Wyo., Utah*; *Ibid.*, v, 456 (1872). — SCUDD., Rep. U. S. geol. surv. Nebr., 259 (1872), *Manit.* — WALK., Can. ent., iv, 31 (1872), *Arct. Amer.* — GLOV., Ill. N. A. ent., Orth., pl. 3, fig. 8 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 130 (1873), *Utah*; Rep. U. S. geol. surv. w. 100 mer., v, 879 (1875), *Nev.* — PUTN., Proc. Davenp. acad. nat. sc., i, 266 (1876), *Col., Utah.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

costalis SCUDD., Bost. journ. nat. hist., vii, 473-474 (1862), *Tex.* — WALK., Cat. Derm. salt. Brit. mus., iv, 732 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 112 (1873), *Id.*

discoidea SERV., Orth., 724 (1839), *Brazil, N. A., Geo., Penn.* — SCUDD., Bost. journ. nat. hist., vii, 469 (1862), *N. C., south. st.* — WALK., Cat. Derm.

salt. Brit. mus., iv, 730 (1870), *N. A., S. A.* — GLOV., Ill. N. A. ent., Orth., pl. 3, figs. 3, 7 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 133 (1873), *Geo., Penn., N. C., Miss., south. st.* — DODGE, Can. ent., viii, 101 (1876), *Nebr.* — BRUN., Ibid., ix, 144 (1877), *Id.* •

See also *Acridium* (Oedipoda) *discoideum*.

eucerata UHL., Harr., Ins. inj. veg., 3 ed., 180 (1862), *Mass.* — SCUDD., Bost. journ. nat. hist., vii, 472 (1862), *Mass., Conn.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Conn.* — SMITH, Rep. Conn. bd. agric., 1872, 373, 382 (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 3, figs. 1, 2, pl. 5, fig. 13, pl. 6, fig. 23 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 119 (1873), *Mass., Conn.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

fenestralis SERV., Orth., 726 (1839), *N. A.* — BURM., Germ., Zeitschr. ent., ii, 54 (1840), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Fla.* — THOM., Rep. U. S. geol. surv. terr., v, 118 (1873), *N. A., Fla.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

gracilis THOM., Ann. rep. U. S. geol. surv. terr., v, 461-462 (1872), *Col., Wyo.*; Rep. U. S. geol. surv. terr., v, 121 (1873), *Id.*; Rep. U. S. geol. surv. w. 100 mer., v, 881 (1875), *West. U. S.*; Bull. U. S. geol. surv. terr., iv, 483 (1878), *Dak., Mont.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Col., Wyo.*

haitensis WALK., Cat. Derm. salt. Brit. mus., iv, 734 (1876), *St. Dom.*

haldemanii SCUDD., Rep. U. S. geol. surv. Nebr., 251 (1871), *Nebr.* — DODGE, Can. ent., iv, 15 (1872), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 3 (1872). — THOM., Ann. rep. U. S. geol. surv. terr., v, 456 (1872); Rep. U. S. geol. surv. terr., v, 130 (1873), *Tex., Col., N. Mex., Wyo., Dak., Kans., Nebr.* — BESS., Bienn. rep. Iowa agric. coll., vii, 208 (1877), *Iowa.*

haydeni THOM., Ann. rep. U. S. geol. surv. terr., v, 460-461 (1872), *Col., Wyo.*; Rep. U. S. geol. surv. terr., v, 120 (1873), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 15, fig. 4 (1874). — PUTN., Proc. Davenport. acad. nat. sc., i, 266 (1876), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Col., Wyo.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — SAUSS., Add. prodr. Oedip., 171 (1888), *Col., Wyo.* — COCK., Ent., xxi, 301 (1888), *Col.*

hoffmanii THOM., Rep. U. S. geol. surv. terr., v, 127-128 (1873); Rep. U. S. geol. surv. w. 100 mer., v, 876 (1875), *Ariz.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *N. Mex., Ariz.* — SAUSS., Add. prodr. Oedip., 170 (1888).

kiowa THOM., Ann. rep. U. S. geol. surv. terr., v, 461 (1872), *Col.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 3 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 121 (1873), *Col., Nebr.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 483 (1878), *Dak., Mont.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Col., Nebr., Dak.*

latipennis PACK., Rep. nat. hist. Me., 1861, 373 (1861), *Me.* — UHL., Harr., Ins. inj. veg., 3 ed., 178 (1862), *Mass.*

longipennis THOM., Ann. rep. U. S. geol. surv. terr., v, 463-464 (1872), *Kans., Ind. Terr., Tex.* — GLOV., Ill. N. A. ent. Orth., pl. 13, fig. 4 (1872). —

THOM., Rep. U. S. geol. surv. terr., v, 116 (1873), *Kans.* — BRUN., Rep. U. S. ent. comm., iii, 54 (1883).

maritima UHL., Harr., Ins. inj. veg., 3 ed., 178 (1862), *Mass.* — SCUDD., Bost. journ. nat. hist., vii, 472 (1862), *Mass., Conn.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Id.* — SMITH, Rep. Conn. bd. agric., 1872, 373, 381 (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 12, fig. 17 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 124 (1873), *Mass., Conn.* — JONES, Guide Berm., 144 (1876), *Bermuda.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Mass., Conn.*

marmorata UHL., Harr., Ins. inj. veg., 3 ed., 179-180 (1862), *Mass.* — SCUDD., Bost. journ. nat. hist., vii, 472 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 732 (1870), *Id.* — SMITH, Rep. Conn. bd. agric., 1872, 372, 381 (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 9 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 111 (1873), *Mass.* — PROV., Nat. can., viii, 114, fig. 13 (1876), *Can.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Mass.*

mexicana SAUSS., Rev. mag. zool., 1861, 397 (1861), *Mex.*; Orth. nova amer., ii, 27 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 214 (1873), *Id.*

montana THOM., Ann. rep. U. S. geol. surv. terr., v, 462-463 (1872), *Mont., Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 12, fig. 12 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 129 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

nebrascensis BRUN., Can. ent., viii, 123 (1876), *Nebr.*; Ibid., ix, 144 (1877), *Id.* — SAUSS., Add. prodr. Oedip., 173 (1888).

nebulosa UHL., Harr., Ins. inj. veg., 3 ed., 181 (1862), *Mass.*

neglecta THOM., Proc. acad. nat. sc. Philad., 1870, 81-82 (1870), *N. Mex.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 276 (1871), *N. Mex., Col., Wyo., Ill.*; Rep. U. S. geol. surv. terr., v, 128 (1873), *Id.*; Key Ill. Orth., 3 (1875?), *Ill.*; Rep. U. S. geol. surv. w. 100 mer., v, 881, pl. 44, fig. 3 (1875), *West. U. S., Ill.*; Bull. Ill. mus. nat. hist., i, 64 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 483 (1878), *Dak., Mont., Ill.*

obliterata GERM., Burm., Handb. ent., ii, 643 (1838), *N. A.* — THOM., Can. ent., xii, 221-222 (1880), *Cala.*; Rep. U. S. ent. comm., ii, 257-258 (1881).

See also Acridium (Oedipoda) obliteratum.

occidentalis BRUN., Proc. U. S. nat. mus., xii, 77-78, pl. 1, fig. 7 (1890), *Cala.*

pallidipennis BURM., Handb. ent., ii, 641 (1838), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 218 (1873), *Id.*

paradoxa THOM., Ann. rep. U. S. geol. surv. terr., v, 457 (1872), *Utah, Wyo.*; Rep. U. S. geol. surv. terr., v, 132 (1873), *Utah, Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 14 (1874). — BESS., Bienn. rep. Iowa agric.

coll., vii, 208 (1877), *Iowa*. — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Utah, Idaho*.

pardalina SAUSS., Rev. mag. zool., 1861, 324 (1861), *Mex.*; Orth. nova amer., ii, 27 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 213 (1873), *Id.*

parviceps WALK., Cat. Derm. salt. Brit. mus., iv, 732-733 (1870), *West coast N. A.* — THOM., Rep. U. S. geol. surv. terr., v, 136 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Cala.* — SAUSS., Add. prodr. Oedip., 173 (1888), *Id.*

pellucida SCUDD., Bost. journ. nat. hist., vii, 472-473 (1862), *Mass., Conn., Vt., Me.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.* — WALK., Cat. Derm. salt. Brit. mus., iv, 732 (1870), *U. S.* — GLOV., Rep. U. S. dep. agric., 1870, 78 (1870), *N. E.*; Ill. N. A. ent., Orth., pl. 12, fig. 20 (1872). — SMITH, Rep. Conn. bd. agric., 1872, 373, 382 (1872), *N. E., Conn.* — SCUDD., Rep. U. S. geol. surv. Nebr., 253 (1872), *N. E.* — THOM., Rep. U. S. geol. surv. terr., v, 137 (1873), *Id.* — PACK., Rep. U. S. ent. comm., i, [141] (1878), *Vanc.* — RIL.-THOM., *Ibid.*, ii, 243 (1881).

phoenicoptera GERM., Burm., Handb. ent., ii, 643 (1838), *N. A.* — SCUDD., Bost. journ. nat. hist., vii, 468-469 (1862), *Mass., Me., Conn.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.*; Rep. Conn. bd. agric., 1872, 371, 381 (1872), *N. E., Conn.* — WALK., Can. ent., iv, 31 (1872), *Hudson Bay.* — GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 4 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 135 (1873), *Me., Conn., Mass., Col., Dak., Nebr., Car., N. Y., N. J., Fla., Rocky Mts.*; Rep. U. S. geol. surv. w. 100 mer., v, 879 (1875), *West. U. S.*; Key Ill. Orth., 3 (1875?), *Ill.* — PUTN., Proc. Davenp. acad. nat. sc., i, 266 (1876), *Iowa.* — PROV., Nat. can., viii, 113 (1876), *Can.* — RIL., Rep. ins. Mo., viii, 104, fig. 41 (1876). — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — RIL., Loc. plague, 102, fig. 16 (1877); Amer. nat., xii, 289 (1878); Rep. U. S. ent. comm., i, 220, 226, 228, 237, 301, fig. 7 (1878), *Mo.* — BRUN., *Ibid.*, iii, 58 (1883), *U. S.* — CARLE., Can. ent., xviii, 212 (1880), *Montreal*; Rep. ent. soc. Ont., xviii, 67 (1888), *Can.* — LUGG., Rep. agric. exp. st. Minn., 338, fig. 11 (1889).

See also *Acridium* (Oedipoda) *phoenicoptera*.

picta BRUN., Can. ent., ix, 144 (1877), *Nebr.*

plattei THOM., Rep. U. S. geol. surv. terr., v, 123-124 (1873), *Col., Wyo.*; Proc. Davenp. acad. nat. sc., i, 256 (1876). — BRUN., Rep. U. S. ent. comm., iii, 54, 58 (1883), *Col., Wyo., Nebr.*

pruinosa THOM., Proc. acad. nat. sc. Philad., 1870, 80 (1870), *Col., N. Mex.*

punctata STÅL., Rec. Orth., i, 130 (1873), *Mex.*

rugosa SCUDD., Bost. journ. nat. hist., vii, 469 (1862), *Mass., Me.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Nova Scotia, N. J., Vanc.*; Can. ent., iv, 31 (1872), *Nova Scotia.* — GLOV., Ill. N. A. ent., Orth., pl. 12, fig. 8 (1872).

—THOM., Rep. U. S. geol. surv. terr., v, 132 (1873), *Me., Mass., N. J., Vanc., Ill., D. C., Nebr., Dak., Mo.*; Key Ill. Orth., 3 (1875?), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *U. S., Vanc.*

sordida BURM., Handb. ent., ii, 643 (1838), *Penn.* — SCUDD., Bost. journ. nat. hist., vii, 473 (1862), *Mass., Conn., Me.*; Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., iv, 732 (1870), *Conn., Mass., Penn.* — SMITH, Rep. Conn. bd. agric., 1872, 373, 382 (1872), *N. E., Conn.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 458 (1872), *Nebr.* — GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 11 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 116 (1873), *Me., Mass., Conn. Tenn., Nebr. N. Y.*; Key Ill. Orth., 3 (1875?), *Ill.* — PROV., Nat. can., viii, 114 (1876), *Can.* — BESS., Bienn. rep. Iowa agric. coll., vii, 208 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — PACK., Rep. U. S. ent. comm., ii, 179, pl. 1, fig. 4 (1881). — MIN., Ibid., ii, 184, 201, 216 (1881). — CAULF., Rep. ent. soc. Ont., xviii, 66 (1888), *Can.*

See also Acridium (Oedipoda) sordidum.

sparsa THOM., Rep. U. S. geol. surv. w. 100 mer., v, 883-884, pl. 45, fig. 6 (1875), *N. Mex.*

speciosa WALK., Cat. Derm. salt. Brit. mus., iv, 735-736 (1870), *Hond.* — THOM., Rep. U. S. geol. surv. terr., v, 216 (1873), *Id.*

sulphurea BURM., Handb. ent., ii, 643 (1838), *Car.* — UHL., Harr., Ins. inj. veg., 3 ed., 177 (1862), *Mass.* — SCUDD., Bost. journ. nat. hist., vii, 470 (1862), *Mass., Me., Conn.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — PACK., Guide ins., 571 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., iv, 729-730 (1870), *Arct. Amer., Nova Scotia, west coast Amer., Rocky Mts., Vanc., Fla., U. S.*; Can. ent., iv, 31 (1872), *Nova Scotia, arct. Amer.* — SMITH, Rep. Conn. bd. agric., 1872, 372, 381 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 6 (1872). — THOM., Ann. rep. U. S. geol. surv. terr., v, 458 (1872). — PROV., Nat. can., viii, 113 (1876), *Quebec.* — RIL., Amer. nat., xii, 285 (1878); Rep. U. S. ent. comm., i, 220, 226, 299 (1878), *Mo.*

See also Acridium (Oedipoda) sulphureum.

sumichrasti WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 214 (1873), *Id.* — GIR., Traité ent., ii, 236 (1879), *Hond., Mex.*

tenebrosa SCUDD., Rep. U. S. geol. surv. Nebr., 251 (1871), *Nebr.* — DODGE, Can. ent., iv, 15 (1872), *Id.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 459, pl. 1, fig. 2 (1872), *Nebr., Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 2 (1872).

tentatrix WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 74-75 (1871), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 216 (1873), *Id.*

tolteca SAUSS., Rev. mag. zool., 1861, 397 (1861), *Mex.*; Orth. nova amer., ii, 28 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 733 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 215 (1873), *Id.*

transtrigata WALK., Cat. Derm. salt. Brit. mus., iv, 733-734 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 217 (1873), *Id.*

trifasciata WALK., Cat. Derm. salt. Brit. mus., iv, 729 (1870), *Arkansas Riv.* — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265, 274 (1871), *Wyo., Col., Utah, N. Mex.* — SCUDD., Rep. U. S. geol. surv. Nebr., 250 (1871), *Nebr.* — DODGE, Can. nat., iv, 15 (1872), *Id.* — THOM., Ann. rep. U. S. geol. surv. terr., v, 456, pl. 1, fig. 6 (1872), *Wyo., Utah.* — GLOV., Ill. N. A. ent., Orth., pl. 9, fig. 6 (1872). — STÅL, Rec. Orth., i, 131 (1873), *Tex.* — THOM., Rep. U. S. geol. surv. terr., v, 127 (1873), *Dak., Nebr., Kans., N. Mex., Col., Wyo., Utah.* — SCUDD., Daws., Rep. geol. 49 par., 344 (1875), *Wood End*; Butt. Orth. Brit. amer. bound. comm., 4 (1875), *Id.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 877 (1875), *Nev., Ariz., N. Mex.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — CAULF., Can. rec. sc., ii, 401 (1887), *Wood End*; Can. Orth., 13 (1887), *Id.*

undulata THOM., Ann. rep. U. S. geol. surv. terr., v, 460 (1872), *Col., Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 12, fig. 15 (1872). — DODGE, [and—] Can. ent., iv, 15 (1872), *Nebr.* — THOM., Rep. U. S. geol. surv. terr., v, 125 (1873), *Wyo., Col., Nev.*; Rep. U. S. geol. surv. w. 100 mer., v, 877 (1875), *West. U. S.* — SCUDD., Appal., i, 262 (1878), *Col.* — RIL., Stand. nat. hist., ii, 202–203 (1884), *U. S.*

utahensis THOM., Rep. U. S. geol. surv. w. 100 mer., v, 883, pl. 44, fig. 2 (1875), *West. U. S.*; Proc. Davenp. acad. nat. sc., i, 258 (1876), *Utah.*

venusta STÅL, Orth. Eug. resa, 344 (1861), *Cala.* — WALK., Cat. Derm. salt. Brit. mus., iv, 730 (1870), *Id.* — STÅL, Rec. Orth., i, 130 (1873), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 111 (1873), *Id.* — SCUDD., Ann. rep. chief eng., 1876, 510–511 (1876), *Id.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 290–291 (1876), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 57 (1883), *Cala.* — COQ., Ins. life, i, 228 (1889), *Id.*; Bull. div. ent. U. S. dep. agric., xxvii, 40 (1894).

verruculata SCUDD., Can. nat., vii, 287–288 (1862), *Winnipeg*; Bost. journ. nat. hist., vii, 471–472 (1862), *Mass., N. H., Me., Quebec, Winnipeg*; Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., iv, 731 (1870), *Mass., U. S.* — SMITH, Rep. Conn. bd. agric., 1872, 372, 381 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 6 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 115 (1873), *Me., N. H., Mass., Can., U. S., Brit. Amer.*; Key Ill. Orth., 3 (1875?), *Ill.* — PROV., Nat. can., viii, 113 (1876), *Can.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Red River.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Rep. ent. soc. Ont., xviii, 66 (1888), *Can.*

virginiana BURM., Handb. ent., ii, 645 (1838), *N. A.* — WALK., Cat. Derm. salt. Brit. mus., iv, 732 (1870), *Id.*

See also *Acridium* (Oedipoda) *virginianum*.

wheeleri THOM., Rep. U. S. geol. surv. w. 100 mer., v, 879–880, pl. 44, fig. 1 (1875), *West. U. S.*

wyomingiana THOM., Ann. rep. U. S. geol. surv. terr., v, 462 (1872), *Wyo.*; Rep. U. S. geol. surv. terr., v, 113 (1873), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 1, pl. 15, fig. 2 (1874).

xanthoptera GERM., Burm., Handb. ent., ii, 643 (1838), *Car.* — SCUDD., Bost. journ. nat. hist., vii, 469 (1862), *Mass., Mo.* — PACK., Guide ins., 571, fig. 565 (1869), *N. E. to Miss. Riv.* — WALK., Cat. Derm. salt. Brit. mus., iv, 730 (1870), *N. A.* — SMITH, Rep. Conn. bd. agric., 1872, 372, 381, fig. 10 (1872), *Conn.*

See also *Acridium* (Oedipoda) *xanthopterum*.

Oedipoda (Arphia)

frigida CAULF., Can. rec. sc., ii, 400 (1887), *Wood End*; Can. Orth., 13 (1887), *Id.*

sulphurea PROV., Faune ent. Can., ii, 39 (1877), *Quebec.* — CAULF., Can. rec. sc., ii, 400 (1887), *Can.*; Can. Orth., 13 (1887), *Id.*

tenebrosa CAULF., Can. rec. sc., ii, 400 (1887), *Souris Riv.*; Can. Orth., 13 (1887), *Id.*

Oedipoda (Camnula)

pellucida PROV., Faune ent. Can., ii, 40 (1877), *Can.* — PACK., Nat. leis. hour, v, no. 4, 5, fig. (1881). — RIL., Stand. nat. hist., ii, 203, fig. 284 (1884), *U. S.* — CAULF., Can. rec. sc., ii, 401 (1887), *Can.*; Can. Orth., 13 (1887), *Id.*

Oedipoda (Circotettix)

carliniana RIL., [carling-] Stand. nat. hist., ii, 202-203 (1884), *U. S.*

Oedipoda (Dissosteira)

carolina PROV., Faune ent. Can., ii, 39 (1877), *Can.* — RIL., Stand. nat. hist., ii, 202 (1884), *U. S.* — CAULF., Can. rec. sc., ii, 400 (1887), *Can.*

longipennis RIL., Stand. nat. hist., ii, 202 (1884), *Col., Kans.*

Oedipoda (Encoptolophus)

sordida PROV., Faune ent. Can., ii, 41 (1877), *Can.* — CAULF., Can. rec. sc., ii, 400, 401 (1887), *Id.*; Can. Orth., 12, 13 (1887), *Id.*

Oedipoda (Hippiscus)

carolina CAULF., Can. Orth., 12, 13 (1887), *Can.*

ocelote SAUSS., Rev. mag. zool., 1861, 398 (1861), *Mex.*; Orth. nova amer., ii, 29 (1861), *Id.*

phoenicoptera PROV., Faune ent. Can., ii, 39 (1877), *Can.* — RIL., Stand. nat. hist., ii, 202, fig. 283 (1884), *East. N. A.* — CAULF., Can. rec. sc., ii, 400 (1887), *Can.*; Can. Orth., 12, 13 (1887), *Id.*

Oedipoda (Leprus)

elephas SAUSS., Rev. mag. zool., 1861, 398 (1861), *Mex.*; Orth. nova amer., ii, 28 (1861), *Id.*

Oedipoda (Sphingonotus)

haitensis SAUSS., Rev. mag. zool., 1861, 323 (1861), *Haiti*; Orth. nova amer., ii, 26 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 213 (1873), *Haiti, St. Dom.*

sumichrasti SAUSS., Rev. mag. zool., 1861, 324 (1861), *Mex.*; Orth. nova amer., ii, 26 (1861), *Id.*

Oedipoda (Trimerotropis)

verruculata PROV., Faune ent. Can., ii, 40 (1877), *Can.* — CAULF., Can. rec. sc., ii, 400, 401 (1887), *Id.*; Can. Orth., 12, 13 (1887), *Id.*

Oedocara

elliotti SAUSS., Prodr. Oedip., 79 (1884), *Col.*

strangulatum SCUDD., Ann. rep. chief eng., 1876, 509-510 (1876), *Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 289-290 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SAUSS., Prodr. Oedip., 79 (1884), *Id.*

Oeoloplus

See Aeoloplus, passim.

Oeonomus

altus SCUDD., Proc. amer. acad. arts sc., xxxv, 47-48 (1899), *Cala.*

Oligonyx

bicornis SAUSS., Mitth. schweiz. ent. ges., iii, 71 (1869), *Mex.*; Mant. amér., 122-123 (1871), *Id.*; Miss. scient. Mex., Rech. zool., vi, 274-275, pl. 6, figs. 22, 22ab (1872), *Id.* — BORRE, Ann. soc. ent. belg., xxvii, 72 (1883), *Id.*; Liste Mant., 15 (1883), *Id.* — WESTW., Rev. Mant., 5 (1889), *Mex., Tehuantepec.*

bollianus SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 173, pl. 9, fig. 17 (1894), *Tex., Mex.*

graminis SCUDD., Proc. Bost. soc. nat. hist., xix, 90-91 (1877), *Fla., Geo.*; Ent. notes, vi, 31-32 (1878), *Id.* — WESTW., Rev. Mant., 5 (1889), *Fla.*

mexicanus SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 172-173, pl. 9, figs. 13-15 (1894), *Mex., Guat.*

punctulatus SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 174, pl. 9, figs. 23-25 (1894), *Mex.*

scudderi SAUSS., Mitth. schweiz. ent. ges., iii, 239 (1870), *Amer. bor.*; Mant. amér., 121-122, pl. 2, figs. 24, 24a (1871), *Geo. or S. A.* — GLOV., Ill.

N. A. ent., Orth., pl. 16, fig. 11 (1874).—STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 66 (1877), *Tex.*—SCUDD., Proc. Bost. soc. nat. hist., xix, 91 (1877), *Geo.*; Ent. notes, vi, 32 (1878), *Id.*—WESTW., Rev. Mant., 5 (1889), *Geo.*, *S. A.*—SCUDD., Can. ent., xxviii, 212, 214 (1896), *Geo.*, *Car.*, *N. Y.*, *Fla.*, *Nebr.*; Cat. Orth. U. S., 13 (1900), *South. U. S. e. Rocky Mts.*

striolatus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 173-174, pl. 9, figs. 18-22 (1894), *Guat.*

tessellatus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 174, pl. 9, figs. 26-31 (1894), *Mex.*

toltecus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 175 (1894), *Mex.*

uhleri STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 66 (1877), *La.*—WESTW., Rev. Mant., 5 (1889), *Id.*—SCUDD., Cat. ent., xxviii, 212, 214 (1896), *Id.*; Cat. Orth., U. S., 13 (1900), *Id.*

Ommatolampis

brevipennis THOM., Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 67 (1874), *N. J.*

mexicana SAUSS., Rev. mag. zool., 1859, 393 (1859), *Mex.*—THOM., Rep. U. S. geol. surv. terr., v, 224 (1873), *Id.*

venusta GERST., Stett. ent. zeit., xxxiv, 194 (1873), *Mex.*

viridis THOM., Rep. U. S. geol. surv. terr., v, 156-157 (1873), *Col.*, *Wyo.*, *Nebr.*, *Kans.*; Rep. U. S. geol. surv. w. 100 mer., v, 892 (1875), *West. U. S.*—BRUN., Can. ent., ix, 144 (1877), *Nebr.*

yersinfi WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 70 (1871), *N. A.*

Oncoptolophus

sordidus. See *Encoptolophus sordidus*.

Onthophilus

maculatus. See *Ceuthophilus maculatus*.

Opeia

obscura McNEILL, Proc. Davenport. acad. nat. sc., vi, 215-216, pl. 2, figs. 7, 7a-c (1897), *West of Mo. and Ark., and east of Rocky Mts., Nebr., Tex., Wyo.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897), *Nebr.*—LUGG., Orth. Minn., 118, fig. 67½ (1898), *Minn.*—SCUDD., Proc. amer. acad. arts sc., xxxv, 45 (1899), *Mont., Nebr., Kans., Col., N. Mex., Tex., Ariz.*; Cat. Orth. U. S., 22 (1900), *Plains e. Rocky Mts.*

testacea SCUDD., Proc. amer. acad. arts sc., xxxv, 45-46 (1899), *Calif.*; Cat. Orth. U. S., 22 (1900), *Id.*

Opisthocosmia

americana BORM., Biol. centr. amer., Orth., 8⁹, pl. 1, figs. 22, 23 (1893), *Mex.*, *Upper Amazons*; Schultze, Tierreich, xi, 97 (1900), *Id.*

spinax GIR., Traité ent., ii, 20 (1879), *Mex.*

Opisthoplatia

orientalis SAUSS., Miss. scient. Mex., Rech. zool., vi, 85 (1870), *Amér. trop.*

Opomala

aptera SCUDD., Trans. amer. ent. soc., ii, 305 (1869), *Penn.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 52 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 63 (1873), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 55 (1883), *Penn.*

bivittata SERV., [Opso-] Orth., 589 (1839), *Amér. sept.* — THOM., Trans. Ill. st. agric. soc., v, 447 (1865), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Fla.* — SCUDD., [Opso-] Rep. U. S. geol. surv. Nebr., 250 (1871), *Nebr.* — DODGE, Can. ent., iv, 15 (1872), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 6, figs. 24, 26, pl. 11, fig. 7 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 64 (1873), *Car.*, *Fla.*, *Nebr.*, *Kans.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

See also Acridium (Opomala) bivittatum.

brachyptera SCUDD., Bost. journ. nat. hist., vii, 454 (1862), *Mass.* — PACK., Guide ins., 568 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Id.* — THOM., Proc. acad. nat. sc. Philad., 1871, 151 (1871), *Wyo.*; Ann. rep. U. S. geol. surv. terr., v, 446 (1872), *Wyo.*, *Utah.* — SMITH, Rep. Conn. bd. agric., 1872, 381 (1872), *Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 63 (1873), *Mass.*, *Wyo.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 55 (1883), *Mass.*, *Wyo.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — FERN., Ann. rep. Mass. agric. coll., xxv, 119 (1888), *N. E.*; Orth. N. E., 35 (1888), *Id.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.* — MORSE, Psyche, vi, 341 (1892), *N. E.*; Ibid., vii, 13, 106 (1894), *Id.* — BEUT., Bull. amer. mus. nat. hist., vi, 291-292 (1894), *N. Y.*

brevipennis THOM., Trans. Ill. st. agric. soc., v, 451 (1865), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Id.*

carinata THOM., Rep. U. S. geol. surv. terr., v, 62 (1873), *U. S.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 55 (1883), *East. U. S.*

crassipes WALK., Cat. Derm. salt. Brit. mus., iii, 507-508 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 196 (1873), *Id.*

marginicollis SERV., [Opso-] Orth., 591 (1839), *Amér. sept.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 66, 196 (1873), *N. A.*, *Tenn.*

See also Acridium (Opomala) marginicolle.

mexicana SAUSS., Rev. mag. zool., 1861, 156 (1861), *Mex.*; Orth. nova amer., ii, 6 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 197 (1873), *Id.* — GIOV., Ill. N. A. ent., Orth., pl. 16, fig. 5 (1874).

neomexicana THOM., Proc. acad. nat. sc. Philad., 1870, 77-78 (1870), *N. Mex.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 269 (1871), *N. Mex., Wyo.*; Rep. U. S. geol. surv. terr., v, 65 (1873), *Id.* — GIOV., Ill. N. A. ent., Orth., pl. 16, fig. 10 (1874). — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

punctipennis SERV., [Opso-] Orth., 590 (1839), *Amér. sept.* — THOM., Trans. Ill. st. agric. soc., v, 447 (1865), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *N. A.* — THOM., Rep. U. S. geol. surv. terr., v, 64, 196 (1873), *N. A., Car.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

See also Acridium (Opomala) punctipenne.

stenobothroides WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 52 (1871), *Nicar.* — THOM., Rep. U. S. geol. surv. terr., v, 197 (1873), *Id.*

varipes SERV., [Opso-] Orth., 588 (1839), *Amér. sept.* — WALK., Cat. Derm. salt. Brit. mus., iii, 507 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 65, 195 (1873), *N. A., Car.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*

See also Acridium (Opomala) varipes.

wyomingensis THOM., Ann. rep. U. S. geol. surv. terr., v, 446-447, pl. 2, fig. 8 (1872), *Wyo.*

Opsomala

See Opomala, passim.

Orchelimum

agile SCUDD., Bost. journ. nat. hist., vii, 453 (1862), *Md., Ill.* — WALK., Cat. Derm. salt. Brit. mus., ii, 268 (1869), *Id.* — PACK., Amer. nat., xi, 422 (1877). — BRUN., Bull. Washb. coll., i, 128-129 (1885), *Kans.*; Ibid., i, 200 (1886), *Id.* — CAULE., Can. rec. sc., ii, 398 (1887), *Can.*; Can. Orth., 10-11 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 64, 70 (1888), *Id.* — COMST., Intr. ent., 114-115 (1888). — SMITH, Cat. ins. N. J., 410 (1890), *N. J.*; Bull. N. J. exp. st., xc, 31, pl. 2, 2 figs. (1892), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.* — BEUT., Bull. amer. mus. nat. hist., vi, 283 (1894), *N. Y.* — SCUDD., Cat. Orth. U. S., 73 (1900), *U. S. and Can., Rocky Mts. to Atl.* — MCNEILL, Can. ent., xxxii, 79, 82-83 (1900), *Md., Ill., Nebr.* — SCUDD., Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

See also Xiphidium (Orchelimum) agile.

arboresum WALSH, Ril., Ins. life, iv, 393 (1892).

bruneri BLATCHL., Can. ent., xxv, 92-93 (1893), *Ind.*; Proc. Ind. acad. nat. sc., 1892, 139-140 (1894), *Id.*; Orth. Ind., 23 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 73 (1900), *Id.* — MCNEILL, Can. ent., xxxii, 80, 83 (1900), *Id.*

campestre BLATCHL., Can. ent., xxv, 91-92 (1893), *Ind.*; Proc. Ind. acad. nat. sc., 1892, 133-134 (1894), *Id.*; Orth. Ind., 22 (1897), *Id.* — LUGG.,

Orth. Minn., 236 (1898), *Minn.*—SCUDD., Cat. Orth. U. S., 73 (1900), *Ind.*, *Minn.*—MCNEILL, Can. ent., xxxii, 78, 81 (1900), *Ind.*

concinnum SCUDD., Bost. journ. nat. hist., vii, 452-453 (1862), *Mass.*—WALK., Cat. Derm. salt. Brit. mus., ii, 268 (1869), *Id.*—SMITH, Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.*—RIL., Stand. nat. hist., ii, 187 (1884), *Mass.*—COMST., Intr. ent., 115 (1888).—SMITH, Cat. ins. N. J., 410 (1890), *N. J.*—MCNEILL, Psyche, vi, 25 (1891), *Ill.*—BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.*—BLATCHL., Proc. Ind. acad. nat. sc., 1892, 137 (1894), *Ind.*—BEUT., Bull. amer. mus. nat. hist., vi, 282-283 (1894), *N. Y.*—BLATCHL., Orth. Ind., 23 (1897), *Ind.*—MCNEILL, Can. ent., xxxii, 79, 82 (1900), *Mass.*, *N. Y.*, *Ind.*, *Ill.*, *Nebr.*—SMITH, Ins. N. J., 162 (1900), *N. J.*

See also Xiphidium (Orchelimum) concinnum.

cuticulare SCUDD., Cat. Orth. U. S., 73 (1900), *Tex.*—MCNEILL, Can. ent., xxxii, 79, 82 (1900), *Id.*

See also Xiphidium (Orchelimum) cuticulare.

delicatum BRUN., Ent. news, iii, 264-265 (1892); Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.*—BLATCHL., Proc. Ind. acad. nat. sc., 1892, 152-153 (1894), *Id.*—SCUDD., Cat. Orth. U. S., 73 (1900), *Id.*—MCNEILL, Can. ent., xxxii, 77, 80 (1900), *Id.*

fasciatum ASHM., Ins. life, vii, 26 (1894), *Miss.*

glaberrimum SCUDD., Bost. journ. nat. hist., vii, 453 (1862), *Conn.*, *Geo.*—WALK., Cat. Derm. salt. Brit. mus., ii, 268 (1869), *Id.*—SMITH, Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.*—RIL., Ann. rep. ins. Mo., v, 123, fig. 57 (1873), *Mo.*; Rep. U. S. ent. comm., i, 327 (1878); Bull. U. S. ent. comm., vi, 62 (1881); Stand. nat. hist., ii, 186-187 (1884), *U. S.*—BRUN., Bull. Washb. coll., i, 128-129 (1885), *Kans.*—RIL., Science, viii, 631 (1886).—COMST., Intr. ent., 114 (1888).—SMITH, Cat. ins. N. J., 410 (1890), *N. J.*—WEBST., Ins. life, iii, 160 (1890), *Ind.*—MCNEILL, Psyche, vi, 25 (1891), *Ill.*—WEBST., Bull. Ohio exp. st., (2), xlv, 205-206, fig. 30 (1892).—BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.*—BLATCHL., Proc. Ind. acad. nat. sc., 1892, 133 (1894), *Ind.*—BRUN., Rep. Nebr. st. hort. soc., 1894, 163 (1894).—ASHM., Ins. life, vii, 26 (1894), *Miss.*—LINTN., Rep. st. mus. N. Y., xlix, 271 (1896).—BLATCHL., Orth. Ind., 22 (1897), *Ind.*—LUGG., Orth. Minn., 235-236 (1898), *Minn.*—BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899).—SCUDD., Cat. Orth. U. S., 73 (1900), *U. S.*, *Rocky Mts. eastw.*—MCNEILL, Can. ent., xxxii, 78, 81-82 (1900), *Id.*—SCUDD., Psyche, ix, 103 (1900), *N. E.*—SMITH, Ins. N. J., 161 (1900), *N. J.*

See also Xiphidium (Orchelimum) glaberrimum.

gladiator BRUN., Can. ent., xxiii, 71-72 (1891), *Nebr.*; Publ. Nebr. acad. sc., iii, 30 (1893), *Id.*—BLATCHL., Proc. Ind. acad. sc., 1892, 138-139 (1894), *Ind.*; Orth. Ind., 23 (1897), *Id.*—SCUDD., Cat. Orth. U. S., 73 (1900), *Nebr.*—MCNEILL, Can. ent., xxxii, 77, 81 (1900), *Nebr.*, *Ind.*

glaucum SERV., Orth., 524 (1839), *Amér. sept.*—WALK., Cat. Derm. salt. Brit. mus., ii, 269 (1869), *Id.*

gossypii ASHM., Ins. life, vii, 26 (1894), *Miss.*

gracile HARR., *Ins. inj. veg.*, 1 ed., 131 (1841, 1842), *Mass.* — FITCH, *Amer. journ. agric. sc.*, vi, 146 (1847), *N. Y.* — HARR., *Ins. inj. veg.*, 2 ed., 142 (1852), *Mass.* — PACK., *Rep. nat. hist. Me.*, 1861, 376 (1861), *Me.* — HARR., *Ins. inj. veg.*, 3 ed., 163, fig. 78 (1862), *Mass.* — RATHV., *Rep. U. S. dep. agric.*, 1862, 382, pl., fig. 22 (1862). — WALSH-RILEY, *Amer. ent.*, i, 57 (1868), *Ill.* — THOM., *Proc. acad. nat. sc. Philad.*, 1870, 77 (1870), *Col.* — PROV., *Nat. can.*, viii, 78, fig. 7 (1876), *Can.* — RILEY, *Rep. U. S. ent. comm.*, i, 327 (1878). — BRUN., *Can. ent.*, xxiii, 70-71 (1891), *Nebr.*; *Ent. news*, iii, 264-265 (1892). — MCNEILL, *Can. ent.*, xxxii, 78, 81 (1900), *Mass.*, *N. J.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

herbaceum SERV., *Orth.*, 524 (1839), *Amér. sept.* — WALK., *Cat. Derm. salt. Brit. mus.*, ii, 269 (1869), *Id.* — SCUDD., *Cat. Orth. U. S.*, 73 (1900), *Mass. to Nebr.*; *Psyche*, ix, 103 (1900), *N. E.*

indianense BLATCHL., *Can. ent.*, xxv, 90-91 (1893), *Ind.*; *Proc. Ind. acad. nat. sc.*, 1892, 137-138 (1894), *Id.*; *Orth. Ind.* 23 (1897), *Id.* — SCUDD., *Cat. Orth. U. S.*, 73 (1900), *Id.* — MCNEILL, *Can. ent.*, xxxii, 79, 82 (1900), *Id.*

inermis BRUN., *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.*

See also Xiphidium (Orchelimum) inermis.

laticauda SCUDD., *Cat. Orth. U. S.*, 74 (1900), *La.* — MCNEILL, *Can. ent.*, xxxii, 80, 83 (1900), *Id.*

See also Xiphidium (Orchelimum) laticauda.

longiperne SCUDD., *Bost. journ. nat. hist.*, vii, 453 (1862), *Tex.* — WALK., *Cat. Derm. salt. Brit. mus.*, ii, 268 (1869), *Id.* — RILEY, *Stand. nat. hist.*, ii, 187 (1884), *Id.* — BRUN., *Bull. Washb. coll.*, i, 128-129 (1885), *Kans.* — MCNEILL, *Psyche*, vi, 25 (1891), *Ill.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — SCUDD., *Cat. Orth. U. S.*, 74 (1900), *Iowa to Tex.* — MCNEILL, *Can. ent.*, xxxii, 79, 82 (1900), *Tex.*, *Kans.*, *Nebr.*

minor BRUN., *Can. ent.*, xxiii, 72 (1891), *D. C.* — SCUDD., *Cat. Orth. U. S.*, 74 (1900), *Id.* — MCNEILL, *Can. ent.*, xxxii, 77, 81 (1900), *Id.*

nigripes SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 459 (1875), *Tex.*; *Ent. notes*, iv, 62 (1875), *Id.*; *Cent. Orth.*, 12 (1879), *Id.* — BRUN., *Bull. Washb. coll.*, i, 128-129 (1885), *Kans.* — MCNEILL, *Psyche*, vi, 25-26 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 73 (1893). — BRUN., *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — BLATCHL., *Can. ent.*, xxv, 93 (1893), *Ind.*; *Proc. Ind. acad. nat. sc.*, 1892, 135-136 (1894), *Id.*; *Orth. Ind.*, 22 (1897), *Id.* — BALL, *Proc. Iowa acad. sc.*, iv, 237 (1897), *Iowa.* — LUGG., *Orth. Minn.*, 236-237 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 74 (1900), *Rocky Mts. to Miss. Riv.* — MCNEILL, *Can. ent.*, xxxii, 80, 83 (1900), *Rocky Mts. to Ind.*, *Tex. to Nebr.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

See also Xiphidium (Orchelimum) nigripes.

nitidum MCNEILL, *Can. ent.*, xxxii, 80, 83 (1900), *Geo.*

See also Xiphidium (Orchelimum) nitidum.

robustum BRUN., *Publ. Nebr. acad. sc.*, i, 30 (1893), *Nebr.* — SCUDD.,

Cat. Orth. U. S., 74 (1900), *Nebr. to La.* — McNEILL, Can. ent., xxxii, 78, 81 (1900), *La.*

See also Xiphidium (Orchelimum) robustum.

silvaticum McNEILL, Psyche, vi, 26* (1891), *Ill.* — SCUDD., Rep. ent. soc. Ont., xxiii, 73 (1893). — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 136 (1894), *Ind.*; Orth. Ind., 22 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 74 (1900), *Ill.*, *Ind.* — McNEILL, Can. ent., xxxii, 79, 82 (1900), *Id.*

spinulosum SCUDD., Cat. Orth. U. S., 74 (1900), *N. C.* — McNEILL, [—lorum] Can. ent., xxxii, 79, 82 (1900), *Id.*

See also Xiphidium (Orchelimum) spinulosum.

volantum McNEILL, Psyche, vi, 26–27 (1891), *Ill.* — SCUDD., Rep. ent. soc. Ont., xxiii, 73 (1893). — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 153 (1894), *Id.* — SCUDD., Cat. Orth. U. S., 74 (1900), *Id.* — McNEILL, Can. ent., xxxii, 80, 83 (1900), *Id.*

vulgare HARR., Ins. inj. veg., 1 ed., 130 (1841, 1842), *Mass.* — FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — HARR., Ins. inj. veg., 2 ed., 142 (1852), *Mass.*; *Ibid.*, 3 ed., 162, fig. 77 (1862), *Id.* — RATHV., Rep. U. S. dep. agric., 1862, 382, pl., fig. 22 (1862). — SCUDD., Bost. journ. nat. hist., vii, 452 (1862), *Mass.*, *Conn.*; Proc. Bost. soc. nat. hist., xi, 310–311 (1868), *N. E.*; Amer. nat., ii, 117 (1868), *Id.* — SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., ii, 268 (1869), *U. S.* — PACK., Guide ins., 567 (1869), *Atl. st.* — THOM., Proc. acad. nat. sc. Philad., 1870, 77 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 269 (1871), *Col.*, *Wyo.* — SMITH, Rep. Conn. bd. agric., 1872, 358, 380 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 4, figs. 7, 8, pl. 7, figs. 6, 7 (1872); Rep. U. S. dep. agric., 1873, 141, fig. 13 (1873), *U. S.* — SCUDD., Hitchc., Rep. geol. N. H., i, 368, fig. 54 (1874), *N. H. to Md.*, *Ill.*, *Car.* — PROV., Nat. can., viii, 78, fig. 8 (1876), *Can.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — FORBES, Rep. ins. Ill., xiv, 23 (1884), *Ill.* — RIL., Stand. nat. hist., ii, 187, fig. 262 (1884), *East. mid. U. S.* — BRUN., Bull. Washb. coll., i, 128, 129 (1885), *Kans.* — HART, Misc. ess. econ. ent. Ill., 118–119, 126 (1886). — CAULF., Can. rec. sc., ii, 398 (1887), *Ont.*; Can. Orth., 10 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.* — COMST., Intr. ent., 114 (1888). — UHL., Heilpr., Berm. isl., 158 (1889), *Berm.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — WEBST., Ins. life, iii, 160 (1890), *Ind.* — SMITH, Bull. N. J. exp. st., K., 41 (1890). — McNEILL, Psyche, vi, 25 (1891), *Ill.* — BRUN., Rep. bd. agric. Nebr., 1891, 243, 305 (1891). — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 5, 12, 22, 31, figs. 4b, 13c, pl. 2 (1892), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 73–74, fig. 49 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 80 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 130–132 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 282, pl. 6, figs. 4, 5 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — SCUDD., Appal., viii, 317 (1898), *White Mts.*, *Greylock*; Alp. Orth. N. A., 19 (1898), *Id.* — LUGG., Orth. Minn., 234–235, figs. 155, 156 (1898), *Minn.* — BLATCHL., Gleanings, 220–221, fig. 52

(1899), *Ind.* — McNEILL, *Can. ent.*, xxxii, 78, 81 (1900), *North. U. S. and Brit. Amer., Atl. to Pac. s. to Ark. and Md.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

Orchesticus

americanus SAUSS., *Rev. mag. zool.*, 1859, 201 (1859), *Tenn.*; *Orth. nova amer.*, i, 5 (1859), *Id.* — WALK., *Cat. Derm. salt. Brit. mus.*, ii, 248 (1869), *Id.* — SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 76 (1900), *Id.*

cragini SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 76 (1900), *Nebr. to Tex.*

haldemanii SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 76 (1900), *Wyo. to Ark.*

minutus SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 76-77 (1900), *Nebr., Col., N. Mex.*

scudderi SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 77 (1900), *Kans., Nebr.*

stevensoni SCUDD., *Can. ent.*, xxvi, 180, 183 (1894); *Cat. Orth. U. S.*, 77 (1900), *Col., N. Mex.*

Orocharis

annulatus WALK., *Cat. Derm. salt. Brit. mus.*, i, 63 (1869), *Centr. Amer.* — THOM., *Amer. ent.*, ii, 206 (1870), *Id.*

antillarum SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 496-497 (1874), *Guadel.*

canotus SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 611 (1878), *Haiti, Cuba*; *Mél. orth.*, ii, 751 (1878), *Id.* — BOL., *Mém. soc. zool. France*, i, 163 (1888), *Id.*; *Orth. Cuba*, 48 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 381 (1891), *Cuba.*

domingensis, SAUSS., *Mém. soc. phys. hist. nat. Gen.*, xxv, 613 (1878), *St. Dom.*; *Mél. orth.*, ii, 753 (1878), *Id.*

fusiformis WALK., *Cat. Derm. salt. Brit. mus.*, i, 63 (1869), *Hond.* — THOM., *Amer. ent.*, ii, 206 (1870), *Id.*

gaumeri SAUSS., *Biol. centr. amer., Orth.*, 273, pl. 13, fig. 26 (1897), *Mex.*

grylloides SAUSS., *Miss. scient. Mex., Rech. zool.*, vi, 495, 519 (1874), *Cuba, St. Dom.*; *Mém. soc. phys. hist. nat. Gen.*, xx, 615, pl. 18, fig. 63.3 (1878), *Antill., Mex., Tex.*; *Mél. orth.*, ii, 755, pl. 18, fig. 63.3 (1878), *Id.* — BOL., *Mém. soc. zool. France*, i, 163-164 (1888), *Cuba*; *Orth. Cuba*, 48-49 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 382 (1891), *Id.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 220 (1892), *St. Vinc., Tex., Mex., St. Dom.* — BRUNN., *Ibid.*, 1893, 610 (1893), *Grenada, St. Vinc., St. Dom., Tex., Mex.* — SAUSS., *Biol. centr. amer., Orth.*, 275-276, pl. 13, fig. 22 (1897), *Tex., Tamaulipas, Cuba.* — SCUDD., *Cat. Orth. U. S.*, 92 (1900), *Gulf st.*

maxillaris SAUSS., Biol. centr. amer., Orth., 273-274, pl. 13, fig. 27 (1897), *Pan.*

maya SAUSS., Biol. centr. amer., Orth., 275 (1897), *Mex.*

meridionalis. See *Orocharis saltator meridionalis*.

mexicanus SAUSS., Biol. centr. amer., Orth., 276 (1897), *Mex., Guat.*

ocellaris SAUSS., Biol. centr. amer., Orth., 273 (1897), *Guat.*

rodriguezi SAUSS., Miss. scient. Mex., Rech. zool., vi, 497-498 (1874), *Amér. centr.*; Biol. centr. amer., Orth., 272 (1897), *Guat.*

saltator UHL., Proc. ent. soc. Philad., ii, 545-546 (1864), *Md.* — WALK., Cat. Derm. salt. Brit. mus., i, 61 (1868), *Ind.* — WALSH-RIL., Amer. ent., i, 100 (1869), *Ill., Mo.* — RIL., Rep. ins. Mo., i, 138 (1869), *Mo.*; Amer. ent. bot., ii, 373 (1870), *Ind.* — GLOV., Ill. N. A. ent., Orth., pl. 3, figs. 11, 12 (1872). — RIL., Rep. ins. Mo., v, 119, figs. 47, 48 (1873), *Mo.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 494-495 (1874), *U. S.* — RIL., Bull. U. S. ent. comm., vi, 62 (1881), *Mo.*; Stand. nat. hist., ii, 182-183, figs. 258ab (1884), *Mid. east. U. S.* — SMITH, Cat. ins. N. J., 408 (1890), *N. J.* — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 138-139 (1892), *Ind.* — SCUDD., Rep. ent. soc. Ont., xxiii, 67 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — FARM., Orth. Ky., 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 269 (1894), *Southern.* — BRUN., Nebr. st. hort. rep., 1895, 69 (1895). — SCUDD., Harp. mag., xciii, 694 (1896), *U. S.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Biol. centr. amer., Orth., 276 (1897), *Md.* — LUGG., Orth. Minn., 275, fig. 186 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 92 (1900), *U. S. e. Gr. Plains exc. northern. and southern. portions.* — SMITH, Ins. N. J., 164 (1900), *N. J.*

saltator meridionalis SAUSS., Biol. centr. amer., Orth., 276 (1897), *Mex., Guat.*

sauleyi SAUSS., Miss. scient. Mex., Rech. zool., vi, 498-499 (1874), *Cuba, Mart., Jam.* — BOL., Mém. soc. zool. France, i, 163 (1888), *Id.*; Orth. Cuba, 48 (1888), *Id.* — GUNDL., Ent. cub., ii, 380-381 (1891), *Cuba.*

scitulus WALK., Cat. Derm. salt. Brit. mus., i, 62 (1869), *Hond.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

signatus WALK., Cat. Derm. salt. Brit. mus., i, 61-62 (1869), *Mex.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

terebrans SAUSS., Biol. centr. amer., Orth., 277 (1897), *Porto Rico.*

tibialis SAUSS., Biol. centr. amer., Orth., 274-275, pl. 13, fig. 25 (1897), *Mex., Pan.*

uhleri McNEILL, Psyche, vi, 9 (1891), *Ill.* — SCUDD., Cat. Orth. U. S., 92 (1900), *Id.*

vaginalis SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 615 (1878), *Cuba*; Mém. orth., ii, 755 (1878), *Id.* — BOL., Mém. soc. zool. France, i, 164 (1888), *Id.*; Orth. Cuba, 49 (1888), *Id.* — GUNDL., Ent. cub., ii, 382-383 (1891), *Id.* — SAUSS., Biol. centr. amer., Orth., 276-277 (1897), *Porto Rico.*

Orochirus

corrugatus SAUSS., Biol. centr. amer., Orth., 279, pl. 13, figs. 29, 30 (1897), *Mex., Pan.*

krugi BOL., Mém. soc. zool. France, i, 162 (1888), *Cuba*; Orth. *Cuba*, 47 (1888), *Id.* — GUNDL., Ent. cub., ii, 379 (1891), *Id.* — SAUSS., Biol. centr. amer., Orth., 278-279 (1897), *Haiti, Porto Rico, Cuba*.

musicus SAUSS., Biol. centr. amef., Orth., 279-280 (1897), *Pan.*

pilosus BOL., Mém. soc. zool. France, i, 162-163 (1888), *Cuba*; Orth. *Cuba*, 47-48 (1888), *Id.* — GUNDL., Ent. cub., ii, 379-380 (1891), *Id.*

Orophus

caudatus WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Tex.*

decisus WALK., Cat. Derm. salt. Brit. mus., ii, 384-385 (1869), *Hond.*

huastecus WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Mex.*

See also Phylloptera (Orophus) huasteca.

laurifolius WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *U. S., S. A.*

mexicanus WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Mex.*

See also Phylloptera (Orophus) mexicana.

notatus WALK., Cat. Derm. salt. Brit. mus., ii, 383 (1869), *Mex.*

oblongifolius WALK., Cat. Derm. salt. Brit. mus., ii, 381 (1869), *U. S.*

otomarius WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Mex.*

See also Phylloptera (Orophus) otomaria.

rhombifolius WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Car.*

See also Phylloptera (Orophus) rhombifolia.

rotundifolius WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *U. S.;*

Ibid., v, Suppl., 43 (1871), *Mass.*

salicifolius WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Car.*

See also Phylloptera (Orophus) salicifolia.

tessellatus WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Mex.*

See also Phylloptera (Orophus) tessellata.

totonacus WALK., Cat. Derm. salt. Brit. mus., ii, 382 (1869), *Mex.*

See also Phylloptera (Orophus) totonaca.

vigens WALK., Cat. Derm. salt. Brit. mus., ii, 383-384 (1869), *Jam.*

Orphula

aequalis MORSE, Psyche, vii, 326, 409-411, pl. 7, figs. 9, 9a-c (1896), *N. E.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 128, figs. 28a-c (1897), *Nebr.* — WALK., Can. ent., xxx, 125 (1898), *Ont.* — MORSE, Psyche, viii, 319 (1899), *N. E.*

decora McNEILL, Proc. Davenp. acad. nat. sc., vi, 235, 239-240, pl. 4, fig. 17d (1897), *Ark.*; Can. ent., xxxi, 54 (1899), *Id.*

maculipennis BOL., Mém. soc. zool. France, i, 142-143 (1888), *Cuba*; Orth. *Cuba*, 27-28 (1888), *Id.* — GUNDL., Ent. cub., ii, 337-338 (1890), *Id.* — MORSE, Psyche, vii, 326, 408-409, pl. 7, figs. 8, 8a-e (1896), *N. E.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 128 (1897), *Nebr.* — MORSE, Psyche, viii, 318, 320 (1899), *N. E.*

mexicana BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 64 (1895), *Nicar.*

olivacea MORSE, Psyche, vii, 327, 411, pl. 7, figs. 10, 10a (1896), *N. E.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 234, 239, pl. 4, fig. 17b (1897), *Conn.* — MORSE, Psyche, viii, 318, 321 (1899), *N. E.*

orizabae McNEILL, Proc. Davenp. acad. nat. sc., vi, 235, 243-244, pl. 4, fig. 17 (1897), *Mex., Tex.*

pelidna McNEILL, Proc. Davenp. acad. nat. sc., vi, 234, 235-239 (1897), *U. S. east Rocky Mts.* — BLATCHL., Can. ent., xxx, 54-55, 63 (1898), *Ind.* — LUGG., Orth. Minn., 125-126, fig. 72 (1898), *Minn.* — McNEILL, [-nus] Can. ent., xxxi, 53 (1899), *Ark.*

propinquans BRUN., Ann. rep. Nebr. hq. agric., 1896, 128 (1897), *Nebr.*

punctata BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 208 (1892), *St. Vinc., Mex., Costa Rica, Guat., Nicar., Colombia, Venez., Surinam, Brazil, Peru.* — BRUNN., *Ibid.*, 1893, 606 (1893), *Grenada, St. Vinc.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 235, 244 (1897), *Surinam, Rio, Colombia, W. I.*

scudderi BOL., Mém. soc. zool. France, i, 142 (1888), *Cuba*; Orth. *Cuba*, 27 (1888), *Id.* — GUNDL., Ent. cub., ii, 337 (1890), *Id.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 235, 244 (1897), *Id.*

speciosa McNEILL, Proc. Davenp. acad. nat. sc., vi, 235, 240-242, pl. 4, fig. 17c (1897), *Yellowstone to Me.* — BALI, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — LUGG., Orth. Minn., 126-127, figs. 73, 74 (1898), *Minn.* — McNEILL, Can. ent., xxxi, 53 (1899), *Ark.*

tepaneca BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 63 (1895), *Nicar.* — McNEILL, [-ica] Proc. Davenp. acad. nat. sc., vi, 235, 242-243, pl. 4, fig. 17a (1897), *Mex., Cal.*

Orphula (Orphulella)

olivacea GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 2 (1897), *Darien, Venez.*

punctata GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 2 (1897), *Darien, Venez.*

Orphulella

aculeata REHN, Trans. amer. ent. soc., xxvii, 92-94 (1900), *Mex.*

aequalis BRUN., Rep. Nebr. bd. agric., 1899, 271, fig. 61 (1899), *Nebr.*

aequalis bilineata SMITH, Ins. N. J., 154 (1900), *N. J.*

affinis SCUDD., Can. ent., xxxi, 178, 183 (1899), *Cal.*; Cat. Orth. U. S., 23 (1900), *Id.*

bilineata. See *Orphulella aequalis bilineata.*

compta SCUDD., Can. ent., xxxi, 178, 180-181 (1899), *Cal., Ariz.*; Cat. Orth. U. S., 23 (1900), *Id.*

decora SCUDD., Can. ent., xxxi, 178, 181 (1899), *Tex., Col., Ark.*; Cat. Orth. U. S., 23-24 (1900), *Tex. to Col.*

desereta SCUDD., Can. ent., xxxi, 178, 184-185 (1899), *Utah*; Cat. Orth. U. S., 24 (1900), *Id.*

maculipennis propinquans SMITH, Ins. N. J., 154 (1900), *N. J.*

neglecta REHN, Trans. amer. ent. soc., xxvii, 94 (1900), *Mex.*

obliquata SCUDD., Can. ent., xxxi, 178, 181-182 (1899), *Tex., Col.*; Cat. Orth. U. S., 24 (1900), *Id.*

olivacea SCUDD., Can. ent., xxxi, 179, 187 (1899), *Conn., Md., Geo., Berm.*; Cat. Orth. U. S., 24 (1900), *Atl. st.*; Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 154 (1900), *N. J.*

See also Orphula (Orphulella) *olivacea*.

pelidna SCUDD., Can. ent., xxxi, 179, 187 (1899), *Mass., Conn., N. Y., Minn., Col., Fla., Cuba, Isle Pines, Ala., N. Mex., Cal.*; Cat. Orth. U. S., 24 (1900), *Mass. to Cal. and Fla.*; Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 154 (1900), *N. J.*

picturata SCUDD., Can. ent., xxxi, 178, 182 (1899), *Tex.*; Cat. Orth. U. S., 24 (1900), *Id.*

pratorum SCUDD., Can. ent., xxxi, 179, 186 (1899), *Md., N. C., S. C., Geo., Kans., Col., Tex.*; Cat. Orth. U. S., 24 (1900), *South. U. S.*

propinquans. *See* Orphulella *maculipennis propinquans*.

punctata. *See* Orphula (Orphulella) *punctata*.

salina SCUDD., Can. ent., xxxi, 179, 185-186 (1899), *Col., Utah*; Cat. Orth. U. S., 24 (1900), *Id.*

scudderi SCUDD., Can. ent., xxxi, 179, 188 (1899), *Cuba, Isle Pines*.

speciosa SCUDD., Can. ent., xxxi, 178, 183-184 (1899), *Nova Scotia, Me., N. H., Vt., Mass., Conn., Minn., Ill., Iowa, Nebr., Tex.*; Cat. Orth. U. S., 24 (1900), *Nova Scotia to Tex.*; Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 154 (1900), *N. J.*

tepaneca SCUDD., Can. ent., xxxi, 177, 180 (1899), *Tex., Mex., Guat., Tehuant., Nicar.*; Cat. Orth. U. S., 24-25 (1900), *Tex.*

viridescens SCUDD., Can. ent., xxxi, 179, 187-188 (1899), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 95 (1900), *Id.*

Orphulina

pulchella GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 2 (1897), *Darien*.

Osmilia

coelestis BRUNN., Proc. zool. soc. Lond., 1893, 606 (1893), *Grenada, Hond., Peru, Brazil*.

flavolineata BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 65 (1895), *Nicar.*

See also Acridium (Osmilia) *flavolineatum*.

violacea GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 5 (1897), *Darien*.

Otumba

scapularis MORSE, Biol. centr. amer., Orth., ii, 748, fig. (1900), *Nicar.*

Oxya

clavuligera WALK., Cat. Derm. salt. Brit. mus., iv, 645 (1870), *N. A.*

See also Acridium (*Oxya*) *clavuligerum*.

vitreipennis. *See* Acridium (*Oxya*) *vitreipenne*.

Oxycoryphus

aztecus SAUSS., Rev. mag. zool., 1861, 315 (1861), *Mex.*; Orth. nova amer., ii, 17 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 203 (1873), *Id.*

burkhartianus SAUSS., Rev. mag. zool., 1861, 314 (1861), *Mex.*; Orth. nova amer., ii, 16 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 202 (1873), *Id.*

mexicanus SAUSS., Rev. mag. zool., 1861, 314 (1861), *Mex.*; Orth. nova amer., ii, 17 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 202 (1873), *Id.*

montezuma SAUSS., Rev. mag. zool., 1861, 316 (1861), *Mex.*; Orth. nova amer., ii, 18 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 202 (1873), *Id.*

obscurus THOM., Ann. rep. U. S. geol. surv. terr., v, 466 (1872), *Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 13 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 73 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*; Bull. Washb. coll., i, 130 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.*

occipitalis THOM., Proc. Davenp. acad. nat. sc., i, 251 (1876), *Wyo.*, *Col.*; Ann. rep. chief eng., 1878, 1843 (1878), *Col.*

tibialis WALK., Cat. Derm. salt. Brit. mus., iv, 787 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 204–205 (1873), *Id.*

toltecus SAUSS., Rev. mag. zool., 1861, 314 (1861), *Mex.*; Orth. nova amer., ii, 16 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 201 (1873), *Id.*

totonacus SAUSS., Rev. mag. zool., 1861, 315 (1861), *Mex.*; Orth. nova amer., ii, 17 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 203 (1873), *Id.*

zapotecus SAUSS., Rev. mag. zool., 1861, 316 (1861), *Mex.*; Orth. nova amer., ii, 18 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 787 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 203 (1873), *Id.*

Oxyhaloa

buprestoides SAUSS., Miss. scient. Mex., Rech. zool., vi, 90, pl. 2, fig. 48 (1870), *Cuba.* — BOUL., Mém. soc. zool. France, i, 128–129 (1888), *Id.*; Orth.

Cuba, 13-14 (1888), *Id.* — GUNDL., Ent. cub., ii, 310-311 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 77 (1893), *Mex., Guat.*

Oxypilus

venustus. See Mantis (Oxypilus) venusta.

Pachytylus

cinerascens FIEB., Lotos, iii, 121-122 (1853), *Eur., Java, Egypt, N. A.*; Syn. eur. Orth., 21 (1854), *Id.*

migratorius GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 10 (1874).

Pamphagus

lateralis THUNB., Mém. acad. St. Pétersb., v, 260 (1815), *In Indiis.*

Panacanthus

spinus REDT., Verh. zool.-bot. ges. Wien, 1891, 335-336, pl. 3, fig. 1 (1891), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 376 (1898), *Id.*

Panchlora

acolhua SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 95 (1893), *Mex., Guat., Pan.*

antillarum SAUSS., Rev. mag. zool., 1862, 230 (1862), *Cuba*; Orth. nova amer., iii, 14 (1862), *Id.*; Orth. Amér. moy., 193 (1864), *Id.* — BRUNN., Blatt., 275 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 27 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 102 (1870), *Id.* — BOL., Mém. soc. zool. France, i, 131 (1888), *Cuba, Mex.*; Orth. Cuba, 16 (1888), *Id.* — GUNDL., Ent. cub., ii, 314-315 (1890), *Cuba.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 94 (1893), *Id.*

azteca SAUSS., Rev. mag. zool., 1862, 230 (1862), *Mex.*; Orth. nova amer., iii, 13 (1862), *Id.*; Orth. Amér. moy., 198, pl. 2, fig. 31 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 29 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 103 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 98 (1893), *Id.*

cribrosa SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 99, pl. 5, fig. 1 (1893), *Pan.*

cubensis SAUSS., Rev. mag. zool., 1862, 230 (1862), *Cuba*; Orth. nova amer., iii, 13 (1862), *Id.*; Orth. Amér. moy., 192 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 27 (1868), *Id.*

exoleta BRUNN., Blatt., 272 (1865), *Brazil, Jam., Venez., Mex., Surinam.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 101 (1870), *Mex.* — BOL., Anal. soc. esp. hist. nat., x, 469 (1881), *Peru, Mex., Brazil, Jam., Venez., Surinam;*

Not. ent., 23 (1881), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth. 93-94, (1893), *Mex., Guat., Cuba, Brazil.* — SMITH, Ins. N. J., 151 (1900), *N. J.* — THIER., Berl. ent. zeitschr., xlv, 254 (1900), *Colombia, Brazil, Guiana, Venez., Guat., Mex., Antill.*

fraterna SAUSS.-ZEHTN., Biol. centr. amer., Orth., 97 (1893), *Nicar., Pan., hyalina* SAUSS., Rev. mag. zool., 1862, 231 (1862), *Guat.*; Orth. nova amer., iii, 14 (1862), *Id.* — BRUNN., Blatt., 275 (1865), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 102 (1870), *Id.* — GIR., Traité ent., ii, 58 (1879), *Id.* — SCUDD., Rep. U. S. ent. comm., ii, App., 28 (1881), *Cala.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 96 (1893), *Guat., Cuba.*

indica SAUSS., Orth. Amér. moy., 88 (1864), *Cosmop., Cuba, Haiti, U. S., Mex., Brazil, Ile de France, Ceylon.* — WALK., Cat. Blatt. Brit. mus., 26 (1868), *U. S., Mex., W. I., Brazil, Isle of France, Ceylon, Hindostan, Hong Kong, Nepal, Philippines.*

lacandon. See *Panchlora lacandon.*

lactea BRUNN., Blatt., 277 (1865), *Mex.*

laevigata. See *Blatta (Panchlora) laevigata.*

lacandon SAUSS., Rev. mag. zool., 1864, 342 (1864), *Guat.*; Blatt. nov., 24 (1864), *Id.*; Orth. Amér. moy., 194, pl. 2, fig. 29 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 28 (1868), *Id.* — SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 275 (1869), *Id.*; Mém. orth., i, 95 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 103 (1870), *Id.* — SAUSS.-ZEHTN., [lacandon] Biol. centr. amer., Orth., 97 (1893), *Id.*

latipennis SAUSS.-ZEHTN., Biol. centr. amer., Orth., 99, pl. 5, fig. 2 (1893), *Guat.*

maderae SAUSS., Orth. Amér. moy., 202 (1864), *Antill., Mex., Brazil, Indes, Afr.* — WALK., Cat. Blatt. Brit. mus., 30 (1868), *Spain, Jam., St. Dom., Rio, Sierra Leone, Congo, Mauritius, Ceylon, Madeira.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 103 (1870), *Mex., Antill.* — GIR., Traité ent., ii, 59 (1879), *Madeira, Senegal, S. A., Haiti, Cuba, Brazil, Java, Philippines.* — BOL., Mém. soc. zool. France, i, 130-131 (1888), *Cuba*; Orth. Cuba, 15-16 (1888), *Id.* — UHL., Heilpr., Berm. isl., 156-157 (1889), *Berm.* — GUNDL., Ent. cub., ii, 313-314 (1890), *Cuba.*

See also *Blatta (Panchlora) maderae.*

mexicana SAUSS., Rev. mag. zool., 1862, 231 (1862), *Mex.*; Orth. nova amer., iii, 14 (1862), *Id.*; Orth. Amér. moy., 197 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 29 (1868), *Id.*

montezuma SAUSS.-ZEHTN., Biol. centr. amer., Orth., 97 (1893), *Mex.*

nigriventris BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 48 (1900), *Costa Rica.*

nivea BRUNN., Blatt., 274 (1865), *Cuba, Venez.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 102 (1870), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 6 (1871), *Id.* — GIR., Traité ent., ii, 58 (1879), *Cuba, Venez.* — BOL., Mém. soc. zool. France, i, 131 (1888), *Cuba*; Orth. Cuba, 16 (1888), *Id.* — GUNDL., Ent. cub., ii, 315 (1890), *Cuba, Mex., Brazil.*

— SAUSS.-ZEHTN., Biol. centr. amer., Orth., 96 (1893), *Cuba, Venez., Brazil*,
— BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 47 (1900), *Costa Rica?*

peruana SAUSS.-ZEHTN., Biol. centr. amer., Orth., 95-96 (1893), *Mex., Brit. Hond., Guat., Costa Rica, Pan., Cuba, Cayenne, Peru.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 47 (1900), *Costa Rica.*

pöeyi SAUSS., Rev. mag. zool., 1862, 230 (1862), *Cuba*; Orth. nova amer. iii, 14 (1862), *Id.*; Orth. Amér. moy., 194 (1864), *Cuba, Mex.* — WALK., Cat. Blatt. Brit. mus., 27 (1868), *Id.* — SCUDD., Cat. Orth. U. S., 10 (1900), *Atl. coast*; Psyche, ix, 100 (1900), *N. E.*

prasina GIR., Traité ent., ii, 58 (1879), *Cuba, Venez.*

pulchella SAUSS., Miss. scient. Mex., Rech. zool., vi, 103 (1870), *Mex.* — BOL., Anal. soc. esp. hist. nat., x, 469 (1881), *Ecuador, Brazil, Mex.*; Not. ent., 23 (1881), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 97 (1893), *Mex.*

punctum SAUSS.-ZEHTN., Biol. centr. amer., Orth., 96 (1893), *Centr. Amer.*

surinamensis SAUSS., Orth. Amér. moy., 188 (1864), *La., Cuba, Ind. or., ile Maurice.* — WALK., Cat. Blatt. Brit. mus., 25-26 (1868), *La., Isle of France, Jam., St. Dom., Brazil, Mex., Congo, Hindostan, Java, Philippines.* — SCUDD., Jones, Guide Berm., 144 (1870), *Berm.* — GIR., Traité ent., ii, 59 (1879), *Brazil, Guiana, Mex., Senegal, China.* — BOL., Mém. soc. zool. France, i, 131 (1888), *Cuba*; Orth. Cuba, 16 (1888), *Id.* — GUNDL., Ent. cub., ii, 314 (1890), *Id.* — RIL., Ins. life, v, 201, 268 (1893), *La., Fla.*

See also *Blatta* (Panchlora) *surinamensis.*

thalassina SAUSS.-ZEHTN., Biol. centr. amer., Orth., 93 (1893), *Guat., Brazil, Argent.*

tolteca SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 131-132 (1872), *Mex.*; Mém. orth., ii, 131-132 (1872), *Id.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 99, pl. 6, fig. 11 (1893), *Id.*

tripartita WALK., Cat. Blatt. Brit. mus., 35-36 (1868), *Mex.*

virescens SAUSS., Orth. Amér. moy., 190 (1864), *Antill., Cuba, Mex., Brazil, Surinam.* — SAUSS.-ZEHTN., Biol. centr. amer., Orth., 94 (1893), *Mex., Cuba, Guiana, Brazil.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 47 (1900), *Costa Rica?*

See also *Blatta* (Panchlora) *virescens.*

viridis BURM., Handb. ent., ii, 506 (1838), *W. I.* — SAUSS., Orth. Amér. moy., 193 (1864), *Id.* — BRUNN., Blatt. 273 (1865), *S. A.* — WALK., Cat. Blatt. Brit. mus., 27 (1868), *Cuba, Mex., Jam., St. Dom., Hond., Brazil.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 102 (1870), *Cuba, trop. Amer.* — GIR., Traité ent., ii, 58 (1879), *Cuba, Venez.* — BOL., Anal. soc. esp. hist. nat., x, 469 (1881), *Peru, Antill.*; Not. ent. 23 (1881), *Id.*; Mém. soc. zool. France, i, 131 (1888), *Cuba, trop. Amer.*; Orth. Cuba, 16 (1888), *Id.* — GUNDL., Ent. cub., ii, 315-316 (1890), *Cuba, Mex.* — RIL., Proc. ent. soc. Wash., ii, 129-130 (1891), *N. Y.*; Ent. news, ii, 127-128, 214 (1891); Ins. life, iii, 356, 443-444, figs. 32, 33 (1891); Ibid., iv, 119-120, fig. 12 (1891). — BRUNN.-

REDT., Proc. zool. soc. Lond., 1892, 205 (1892), *St. Vinc., Cuba, S. A.* — **BRUN.**, Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — **BRUNN.**, Proc. zool. soc. Lond., 1893, 604 (1893), *Grenada, St. Vinc., Cuba.* — **SAUSS.-ZEHTN.**, Biol. centr. amer., Orth., 94-95 (1893), *Cuba, Cayenne.* — **BEUT.**, Bull. amer. mus. nat. hist., vi, 260 (1894), *N. Y., W. I.* — **MORSE**, Psyche, vii, 215 (1895), *Mass.* — **SCUDD.**, Ibid., vii, 215 (1895), *Mass., Atlantic ocean.* — **SMITH**, Ins. N. J., 151 (1900), *N. J.* — **BIOLL.**, Inf. mus. nac. Costa Rica, 1899-1900), 47 (1900), *Costa Rica.*

zendala **SAUSS.**, Rev. mag. zool., 1862, 231. (1862), *Guat.*; Orth. nova amer., iii, 14 (1862), *Id.*; Orth. Amér. moy., 196, pl. 2, fig. 30 (1862), *Id.* — **BRUNN.**, Blatt. 276 (1865), *Id.* — **WALK.**, Cat. Blatt. Brit. mus., 28 (1868), *Id.* — **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 103 (1870), *Id.* — **SAUSS.-ZEHTN.**, Biol. centr. amer., Orth., 98 (1893), *Id.*

Panchlora (Leucophaea)

surinamensis **BRUNN.**, Blatt., 278, pl. 7, fig. 32 (1865), *Brazil, Guiana, Mart., Mex., Senegal, Anoy, Java, Philippines, Paris.* — **SAUSS.**, Miss. scient. Mex., Rech. zool., vi, 101 (1870), *Mex., cosmop., pays chaudes.*

Parabliastes

vermiculatus **SAUSS.-PICT.**, Biol. centr. amer., Orth., 430 (1898), *Pan.*

Paraceratinoptera

dohrniana **SAUSS.-ZEHTN.**, Biol. centr. amer., Orth., 49 (1893), *Guat.*

nahua **SAUSS.**, Rev. mag. zool., (2), xx, 357 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 87-88, pl. 1, fig. 30, pl. 2, figs. 47, 47c (1870), *Id.* — **WALK.**, Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 33 (1871), *Id.* — **SAUSS.-ZEHTN.**, Biol. centr. amer., Orth., 49 (1893), *Mex., Guat.*

Paradichroplus

mexicanus **BRUNN.**, Rév. syst. Orth., 145 (1893). — **SCUDD.**, Proc. amer. acad. arts sc., xxxii, 204 (1897); Rev. Mel., 19-21, pl. 2, figs. 4, 5 (1897), *Mex.*; Appal., viii, 309, pl. 41, fig. 3, pl. 42, fig. 1 (1898), *Id.*; Alp. Orth. N. A., 11, pl. 41, fig. 3, pl. 42, fig. 1 (1898), *Id.*

varicolor **BRUNN.**, Rév. syst. Orth., 145 (1893). — **SCUDD.**, Proc. amer. acad. arts sc., xxxii, 204 (1897); Rev. Mel., 18, 21-22, pl. 2, fig. 6 (1897), *Colombia, Mex.*

Paraeneopterus

elegans **GIGL.-TOS**, Boll. mus. zool. univ. Tor., xii, no. 301, 8-9 (1897), *Darien.*

Paragenes

conspersa SAUSS.-PICT., Biol. centr. amer., Orth., 339 (1897), *Mex., Guat., Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

mexicana SAUSS.-PICT., Biol. centr. amer., Orth., 338-339, pl. 16, figs. 6, 6a (1897), *Mex., Costa Rica.* — SAUSS., Rev. suisse zool., v, 230, pl. 9, figs. 11, 11a (1898), *Centr. Amer.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

ovata SAUSS.-PICT., Biol. centr. amer., Orth., 339, pl. 16, fig. 5 (1897), *Guat., Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

tessellata SAUSS.-PICT., Biol. centr. amer., Orth., 339-340 (1897), *Mex., Guat., Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

Paragryllus

martinii GUÉR., Icon. règne anim., Ins., 329 (1829-1838), *Gaudeloupe*; Sagra, Hist. nat. Cuba, 354 (1857), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 115 (1869), *Cuba.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 443 (1874), *Gaudeloupe*; Mém. soc. phys. hist. nat. Gen., xxv, 413 (1878), *Antill.*; Mél. orth., ii, 553 (1878), *Id.*

rex BRUNN., Proc. zool. soc. Lond., 1893, 609 (1893), *Grenada, Brazil.*

temulentus SAUSS., Biol. centr. amer., Orth., 242-243, pl. 12, figs. 2-7 (1897), *Mex., Costa Rica, Brazil.*

Paraidemona

mimica SCUDD., Rev. Mel., 42, 43-44, pl. 3, fig. 10 (1897), *Tex.*; Cat. Orth. U. S., 49 (1900), *Id.*

pilosa BRUNN., Rév. syst. Orth., 145 (1893).

punctata BRUNN., Rév. syst. Orth., 145 (1893). — SCUDD., Proc. amer. acad. arts sc., xxxii, 204 (1897); Rev. Mel., 42-43, pl. 3, figs. 8, 9 (1897), *Tex.*; Cat. Orth. U. S., 49 (1900), *Id.*

Paralatindia

azteca SAUSS., Rev. mag. zool., (2), xx, 101 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 33 (1871), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 113 (1894), *Id.*

See also Latindia (Paralatindia) azteca.

Paramastax

magna BURR, Ess. Eumast., 16, 57 (1899), *Ecuador, Mex.*

Parastagmatoptera

lobipes REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 206-207, pl. 15, figs. 8ab ((1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 605, pl. 52, fig. 4 (1893), *Grenada, St. Vinc.* — SAUSS.-ZENHTN., Biol. centr. amer., Orth., 189 (1894), *St. Vinc.*

Paratettix

aztecus BOL., Ann. soc. ent. Belg., xxxi, 282-283 (1887), *Mex., Cala., Cuba*; Ess. Tett., 108-109 (1887), *Id.*; Mém. soc. zool. France, i, 146 (1888), *Cuba, Mex.*; Orth. Cuba, 31 (1888), *Id.* — GUNDL., Ent. cub., ii, 347 (1890), *Cuba.* — MORSE, Biol. centr. amer., Orth., i†, 12, 14 (1900), *Ariz., Cala., Mex., Cuba.*

caudatus BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 62 (1895), *Nicar.*

cucullatus MORSE, Psyche, vii, 163-164, pl. 6, figs. 4, 4a (1894), *Conn. N. Y.* — HANC., Trans. amer. ent. soc., xxiii, 241-242, pl. 7, figs. 11, 11a (1896), *Ill.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — LUGG., Orth. Minn., 110, fig. 65 (1898), *Minn.* — WALK., Can. ent., xxx, 123 (1898), *Ont.* — BLATCHL., Gleanings, 236, fig. 62 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 17 (1900), *East. N. A.*; Psyche, ix, 101 (1900), *N. E.*

durus MORSE, Biol. centr. amer., Orth., ii, 11, 13 (1900), *Mex.*

extensus. See *Paratettix toltecus extensus*.

fallax BOL., Ann. soc. ent. Belg., xxxi, 282 (1887), *Guat.*; Ess. Tett., 108 (1887), *Id.* — MORSE, Biol. centr. amer., Orth., ii, 12, 13-14 (1900), *Id.*

frey-gesneri BOL., Ann. soc. ent. Belg., xxxi, 276 (1887), *Cuba*; Ess. Tett., 102 (1887), *Id.*; Mém. soc. zool. France, i, 147 (1888), *Id.*; Orth. Cuba, 32 (1888), *Id.* — GUNDL., Ent. cub., ii, 348 (1890), *Id.*

hesperus MORSE, Journ. N. Y. ent. soc., vii, 198 (1899), *Oreg., Cala.* — SCUDD., Cat. Orth. U. S., 17 (1900), *Id.*

mexicanus BOL., Ann. soc. ent. Belg., xxxi, 275 (1887), *Tex., Geo., N. C., Mex.*; Ess. Tett., 101 (1887), *Id.* — RIL., N. A. fauna, vii, 251 (1893), *Cala.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *Ariz.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 17 (1900), *South. U. S.* — MORSE, Biol. centr. amer., Orth., ii, 11, 12-13 (1900), *Ariz., Mex., Nicar., Guat., Costa Rica.*

peruvianus GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.* — MORSE, Biol. centr. amer., Orth., ii, 11, 12 (1900), *Pan., Peru.*

rugosus BOL., Ann. soc. ent. Belg., xxxi, 273-274 (1887), *Fla., Mex.*; Ess. Tett., 99-100 (1887), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Fla. Nebr.*

schochii BOL., Ann. soc. ent. Belg., xxxi, 274 (1887), *Guat. Mex.*; Ess.

Tett., 100 (1887), *Id.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 62 (1895), *Nicar.* — MORSE, Biol. centr. amer., Orth., ii, 11, 12 (1900), *Mex., Guat., Nicar.*

sinuatus MORSE, Biol. amer., Orth., ii, 11, 13 (1900), *Mex.*

toltecus BOL., Ann. soc. ent. Belg., xxxi, 273 (1887), *Mex.*; Ess. Tett., 99 (1887), *Id.* — RIL., N. A. fauna, vii, 251 (1893), *Cala.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *Ariz.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 62 (1895), *Nicar.*; Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Southw. st., Cala.* — MORSE, Biol. centr. amer., Orth., ii, 11, 12 (1900), *Southw. U. S., Low. Cala., Mex., Nicar.*

toltecus extensus MORSE, Journ. N. Y. ent. soc., vii, 198-199 (1899), *Ariz., Cala.*

Paratropa

bilunata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 60 (1893), *Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 45 (1900), *Costa Rica.*

biolleyi SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 60 (1893), *Costa Rica, Pan.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 45 (1900), *Costa Rica.*

elegans WALK., [-pes] Cat. Blatt. Brit. mus., 149 (1868), *Mex.*

histrion SAUSS., [-pes] Rev. mag. zool., 1862, 229 (1862), *Amer. bor.*; [-pes] Orth. nova amer., iii, 12 (1862), *Id.*

mexicana BRUNN., [-pes] Blatt., 151, pl. 4, fig. 15 (1865), *Mex.* — WALK., [-pes] Cat. Derm. salt. Brit. mus., i, 152 (1869), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 73-74 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 59 (1893), *Id.*

Paratropes

See Paratropa.

Paratylotropidia

brunneri SCUDD., Rev. Mel., 118-120, pl. 9, figs. 4, 5 (1897), *Dak., Tex.* — MCNEILL, Psyche, viii, 334 (1899), *Ark.* — SCUDD., Cat. Orth. U. S., 53 (1900), *Dak. to Tex.*

Paroecanthus

annulatus SCUDD., Proc. Bost. soc. nat. hist., xxvii, 214-215, 218 (1896), *Centr. Amer.*

aztecus SAUSS., Miss. scient. Mex., Rech. zool., vi, 471-472 (1874), *Mex.*; Biol. centr. amer., Orth., 262-263 (1897), *Mex., Guat., Nicar., Costa Rica.*

fallax SAUSS., Miss. scient. Mex., Rech. zool., vi, 470-471, pl. 7, fig. 15 (1874), *Cuba.* — BOL., Mém. soc. zool. France, i, 161 (1888), *Id.*; Orth. Cuba, 46 (1888), *Id.* — GUNDL., Ent. cub., ii, 377-378 (1891), *Id.*

foraminatus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 596 (1878), *Cuba*; Mém. orth., ii, 736 (1878), *Id.* — BOL., Mém. soc. zool. France, i, 161 (1888), *Id.*; Orth. Cuba, 46 (1888), *Id.* — GUNDEL., Ent. cub., ii, 377 (1891), *Id.*

guatemalae SAUSS., Miss. scient. Mex., Rech. zool., vi, 475-476 (1874), *Guat.*; Biol. centr. amer., Orth., 263 (1897), *Mex., Guat.*

lituratus SAUSS., Miss. scient. Mex., Rech. zool., vi, 474 (1874), *Amer. centr., Nicar.*; Biol. centr. amer., Orth., 265 (1897), *Id.*

mexicanus SAUSS., Rev. mag. zool., 1859, 63 (1859), *Mex.*; Orth. nova amer., i, 4 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 114 (1869), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 472-474, pl. 8, figs. 33, 33ab, 34-36 (1874), *Mex., Centr. Amer.*; Biol. centr. amer., Orth., 263 (1897), *Mex.*

niger SAUSS., Miss. scient. Mex., Rech. zool., vi, 474-475 (1874), *Guat.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 68 (1895), *Nicar.* — SAUSS., Biol. centr. amer., Orth., 265 (1897), *Id.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 9 (1897), *Darien.*

olmecus SAUSS., Biol. centr. amer., Orth., 264, pl. 13, figs. 16, 17 (1897), *Mex.*

podagrosus SAUSS., Biol. centr. amer., Orth., 264-265, pl. 13, figs. 7-11 (1897), *Guat., Pan.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 9 (1897), *Pan.*

sulcatus SAUSS., Biol. centr. amer., Orth., 263, pl. 13, figs. 12, 13 (1897), *Guat.*

tibialis SAUSS., Biol. centr. amer., Orth., 264, pl. 13, figs. 14, 15 (1897), *Pan.*

toltecus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 595, pl. 18, fig. 66 (1878), *Mex.*; Mém. orth., ii, 735, pl. 18, fig. 66 (1878), *Id.*; Biol. centr. amer., Orth., 262 (1897), *Id.*

Paropomala

calamus SCUDD., Psyche, viii, 437 (1899), *Cala.*; Cat. Orth. U. S., 46 (1900), *Id.*

cylindrica SCUDD., Psyche, viii, 437 (1899), *Nebr., Col.*; Cat. Orth. U. S., 46 (1900), *Id.*

virgata SCUDD., Psyche, viii, 437-438 (1899), *N. Mex., Ariz., Cala.*; Cat. Orth. U. S., 46 (1900), *Cala. to N. Mex.*

wyomingensis SCUDD., Psyche, viii, 437 (1899), *Wyo.*; Cat. Orth. U. S., 46 (1900), *Wyo., Kans.*

Paroxya

atlantica SCUDD., Proc. Bost. soc. nat. hist., xix, 29-30, 88 (1877), *Conn., mid. st., Geo., Fla.*; Ent. notes, vi, 7-8, 29 (1878), *Id.*; Cent. Orth., 46-47 (1879), *Conn., mid. st., Geo.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Atl. coast.* — FERN., Ann. rep. Mass. agric. coll., xxv, 118 (1888), *N. E.*;

Orth. N. E., 34 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890); *Ibid.*, xc, 4, 31, fig. 4g, pl. 1, 2 figs. (1892), *N. J.* — MORSE, Psyche, vi, 401-402 (1893), *Mass., Conn.* — BLATCHL., Can. ent., xxv, 90 (1893), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 118 (1894), *Ind.*; Can. ent., xxvi, 244 (1894), *Id.* — MORSE, Psyche, vii, 105 (1894), *N. E.* — GARM., Orth. Ky., 3, 8 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 305, pl. 8, fig. 5 (1894), *N. Y.* — SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 137 (1897), *Nebr.* — SCUDD., Rev. Mel., 381, 382, pl. 25, fig. 8 (1897), *Geo., Fla.*; Cat. Orth. U. S., 65 (1900), *Id.* — SMITH, Ins. N. J., 155 (1900), *N. J.*

floridana SMITH, Cat. ins. N. J., 412 (1890), *N. J.* — BEUT., Bull. amer. mus. nat. hist., vi, 305 (1894), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 381, 383-385, pl. 25, fig. 10 (1897), *Mich., Mass., Conn., N. Y., mid. st., N. J., D. C., Va., N. C., S. C., Fla., La., Tex.* — MORSE, Psyche, viii, 256, 296 (1898), *N. E.*; *Ibid.*, viii, 318, 320, 321 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 65-66 (1900), *East. U. S. and Gulf st.*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 155 (1900), *N. J.*

floridana texana SCUDD., Rev. Mel., 384 (1897), *Tex.*

hoosieri SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 381, 382-383, pl. 25, fig. 9 (1897), *Ind., Ohio.* — BLATCHL., Can. ent., xxx, 63, 64 (1898), *Ind.* — SCUDD., Cat. Orth. U. S., 66 (1900), *Ohio, Ind.*

recta SCUDD., Proc. Bost. soc. nat. hist., xix, 30, 88 (1877), *Geo., Fla.*. Ent. notes, vi, 8, 29 (1878), *Id.*; Cent. Orth., 47 (1879), *Id.* — BRUN., Rep. U. S. ent. conum., iii, 61 (1883), *Id.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890); *Ibid.*, xc, 4, 31, fig. 4h (1892), *Id.*

scudderi BLATCHL., Can. ent., xxx, 59-60, 64 (1898), *Ind.* — SCUDD., Cat. Orth. U. S., 66 (1900), *Id.*

Paxilla

obesa BOL., Ann. soc. ent. Belg., xxxi, 294-295 (1887), *Geo.*; Ess. Tett., 120-121 (1887), *Id.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Id.*

Pedeticum

obscurum McNEILL, Proc. Davenp. acad. nat. sc., vi, 216, pl. 2, figs. 8, 8a-b (1897), *Fla.*

Pedies

virescens SAUSS., Rev. mag. zool., 1861, 157 (1861), *Mex.*; Orth. nova amer., ii, 8 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 654 (1870). *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 221 (1873), *Id.* — SCUDD., Rev. Mel., 406 (1897).

Pedioscirtetes

nevadensis THOM., Proc. acad. nat. sc. Philad., 1873, 295-296 (1873); Rep. U. S. geol. surv. terr., v, 79 (1873), *Nev.* — GLOV., Ill. N. A. ent., Orth., pl. 15, fig. 1 (1874). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 867, pl. 43, fig. 4 (1875), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.* — SCUDD., Psyche, v, 438-439 (1890), *Id.*; Cat. Orth. U. S., 20 (1900), *Id.*

pulchellus BRUN., Proc. U. S. nat. mus., xii, 60-61, pl. 1, fig. 10 (1890), *Idaho*.

Pegasidion

volitans SAUSS., Rev. mag. zool., 1861, 319 (1861), *Mex.*; Orth. nova amer., ii, 22 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 720 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 198 (1873), *Id.*

Pelmatosilpha

marginalis BRUNN., Proc. zool. soc. Lond., 1893, 603, pl. 52, fig. 2 (1893), *Grenada*.

rotundata SCUDD., Cat. Orth. U. S., 9, 93-94, pl. 2, fig. 5 (1900), *Tex., Pan.*

villana SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 72-73, pl. 4, figs. 41, 42 (1893), *Pan.*

Peranabrus

scabricollis SCUDD., Can. ent., xxvi, 181, 183 (1894), *Mont.*; Cat. Orth. U. S., 77 (1900), *Id.*

Periplaneta

americana BURM., Handb. ent., ii, 503 (1838), *Amer., Tropen.* — FISCH., Orth. Eur., 116 (1853), *Amer. reg. tepid., cosmop.* — FIER., Lotos, iii, 93 (1853), *Eur., orig. Amer.*; Syn. eur. Orth., 4 (1854), *Id.* — SCUDD., Bost. journ. nat. hist., vii, 416-417 (1862), *Mass., Ind., Mex., Tex.* — GERST., Peters, Handb. zool., Arthr., 45 (1863), *Centr. and S. A.* — BRUNN., Blatt., 232, pl. 5, fig. 24 (1865), *Monde entier.* — WALK., Cat. Blatt. Brit. mus., 124 (1868), *Engl., Fla., Mex., St. Dom., Brazil, Madeira, Sierra Leone, Cape coast, Cape of Good Hope, e. Afr., Mauritius, Hindustan, Australia.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.* — PACK., Guide ins., 576 (1869), *Atl. st.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 72 (1870), *Mex.* — SMITH, Rep. Conn. bd. agric., 1872, 378, 383 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 2 (1872). — THOM., Bull. Ill. mus. nat. hist., i, 60 (1876), *Ill.* — PROV., Nat. can., viii, 24 (1876), *Ill., Ont.* — SCUDD., Jones, Guide Berm., 144 (1876), *Bermuda.* — GIR., Bull. soc. aëclim., (3), iv, 300, fig. 1 (1877). — SCUDD.,

Proc. Bost. soc. nat. hist., xix, 94 (1877), *Fla.*; Ent. notes, vi, 35 (1878), *Id.* — GIR., *Traité ent.*, ii, 57, pl. 61, fig. 8 (1879), *Monde entier.* — RIL., *Stand. nat. hist.*, ii, 172 (1884). — CAULF., *Can. rec. sc.*, ii, 403 (1887), *Ont.*; *Can. Orth.*, 15 (1887), *Id.*; *Rep. ent. soc. Ont.*, xviii, 71 (1888), *Id.* — FERN., *Ann. Rep. Mass. agric. coll.*, xxv, 135 (1888), *N. E.*; *Orth. N. E.*, 51 (1888), *Id.* — BOL., *Mém. soc. zool. France*, i, 126-127 (1888), *Cuba*; *Orth. Cuba*, 11-12 (1888), *Id.* — RIL., *Ins. life*, i, 68-70, 190-191 (1888). — DAV., *Ent. amer.*, v, 81 (1889), *Statcn Is.* — RIL., *Ins. life*, ii, 266-267 (1890). — GUNDL., *Ent. cub.*, ii, 307-308 (1890), *Cuba*. — SMITH, *Cat. ins. N. J.*, 406 (1890), *N. J.* — McNEILL, *Psyche*, vi, 78 (1891), *Ill.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 21 (1893), *Nebr.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 74 (1893), *Mex.*, *Centr. amer.*, etc. — BEUT., *Bull. amer. mus. nat. hist.*, vi, 259, pl. 65, fig. 4 (1894), *N. Y.* — BLATCHL., *Proc. Ind. acad. nat. sc.*, 1892, 157-158 (1894), *Ind.*; *Orth. Ind.*, 7, 20 (1897), *Id.* — BALL, *Proc. Iowa acad. sc.*, iv, 236 (1897), *Iowa*. — SCUDD., *Appal.*, viii, 304 (1898), *Mt. Washington*; *Alp. Orth. N. A.*, 6 (1898), *Id.* — LUGG., *Orth. Minn.*, 93-94, fig. 55 (1898), *Minn.* — BLATCHL., *Gleanings*, 202, fig. 42 (1899), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 9-10 (1900), *Cosmop.* — FOGG, *Proc. Manch. inst. arts. sc.*, i, 42 (1900), *N. H.* — SCUDD., *Psyche*, ix, 100 (1900), *N. E.* — SMITH, *Ins. N. J.*, 150 (1900), *N. J.* — BIOLL., *Inf. mus. nac. Costa Rica*, 1899-1900, 47 (1900), *Costa Rica*.

See also *Blatta* (*Periplaneta*) *americana*.

australasiae BRUNN., *Blatt.*, 233 (1865), *Madeira, St. Thom., Afr., E. I., Sweden, Belgium.* — WALK., *Cat. Blatt. Brit. mus.*, 124 (1868), *Cuba, Mex., Peru, Brazil, Australia.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 73 (1870), *Mex.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 94 (1877), *Fla.*; *Ent. notes*, vi, 35 (1878), *Id.* — GIR., *Traité ent.*, ii, 57 (1879), *Madeira, St. Thom., Mex., S. A., Colombia, Java, Sumatra, Belgium, Sweden.* — BOL., *Mém. soc. zool. France*, i, 127 (1888), *Cuba*; *Orth. Cuba*, 12 (1888), *Id.* — GUNDL., *Ent. cub.*, ii, 308 (1890), *Id.* — RIL., *Ins. life*, iii, 407 (1891). — BRUN., *Publ. Nebr. acad. sc.*, iii, 21 (1893), *Nebr.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 74 (1893), *Trop. Amer., India, Australasia.* — COCK., *Journ. inst. Jam.*, i, 258 (1893), *Jam.* — BRUN., *Proc. zool. soc. Lond.*, 1893, 604 (1893), *Grenada.* — BRUN., *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 59-60 (1895), *Nicar.* — LUGG., *Orth. Minn.*, 94-95, fig. 56 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 10 (1900), *Fla., Nebr., Minn.* — SMITH, [*-sia*] *Ins. N. J.*, 150 (1900), *N. J.* — HENSH., *Psyche*, ix, 119 (1900), *Mass.* — BIOLL., *Inf. mus. nac. Costa Rica*, 1899-1900, 47 (1900), *Costa Rica*.

See also *Blatta* (*Periplaneta*) *australasiae*.

floridana WALK., *Cat. Blatt. Brit. mus.*, 135-136 (1868), *Fla.*

fuliginosa BRUNN., *Blatt.*, 238 (1865), *N. A.* — WALK., *Cat. Blatt. Brit. mus.*, 125 (1868), *Id.*

inclusa WALK., *Cat. Blatt. Brit. mus.*, 126-127 (1868), *St. Dom., New Hebrides.*

mysteca SAUSS., *Rev. mag. zool.*, 1862, 171 (1862), *Mex.*; *Orth. nova amer.*, iii, 9 (1862), *Id.*; *Orth. Amér. moy*, 77 (1864), *Id.* — WALK., *Cat. Blatt. Brit. mus.*, 136 (1868), *Id.*

occidentalis WALK., Cat. Blatt. Brit. mus., 132 (1868), *Martinico*. — BOL., Mém. soc. zool. France, i, 126 (1888), *Antill., Mart., Cuba*; Orth. Cuba, 11 (1888), *Id.* — GUNDEL., Ent. cub., ii, 306-307 (1890), *Cuba*.

orientalis GERST., Peters, Handb. zool., Arthr., ii, 45 (1863), *Eur., Asia, N. A.* — WALK., Cat. Blatt. Brit. mus., 129 (1868), *England, Mex., Hond., Natal, China, Australia, N. Zealand, Philippines*. — THOM., Proc. Davenport acad. nat. sc., i, 250 (1876), *Iowa*; Bull. Ill. mus. nat. hist., i, 60 (1876), *Ill.* — GIR., Bull. soc. acclim., (3), iv, 302-305, fig. 2 (1877); *Traité ent.*, ii, 56 (1879), *E. I., Asia minor, Italy, Andalusia, Mediterranean, Algeria, centr. Europe, N. A., Chili, Argent., Australia*. — RIL., Stand. nat. hist., ii, 170-172, figs. 246, 248 (1884). — BRUN., Bull. Washb. coll., i, 125 (1885), *Kans.* — COMST., Intr. ent., 93 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 135, 136, fig. 21 (1888), *N. E.*; Orth. N. E., 51, 52, fig. 21 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 406 (1890), *N. J.* — HOW., Proc. ent. soc. Wash., i, 237 (1890). — RIL., Ins. life, ii, 267 (1890). — McNEILL., Psyche, vi, 78 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa*. — KELL., Inj. ins. Kans., 108 (1892), *Kans.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — GARM., Orth. Ky., 30 (1894), *Ky.* — BLATCHL., Proc. Ind. acad. nat. sc., 1892, 156-157 (1894), *Ind.*; Orth. Ind., 6, 20 (1897), *Id.* — BALL, Proc. Iowa acad. sc., iv, 235-233 (1897), *Iowa*. — LUGG., Orth. Minn., 92-93, figs. 51, 54 (1898), *Minn.* — BLATCHL., Gleanings, 199-201, fig. 41 (1899), *Ind.*

repanda WALK., Cat. Blatt. Brit. mus., 125-126 (1868), *Hond., St. Dom., Philippines, Ceram*.

semipicta WALK., Cat. Blatt. Brit. mus., 141 (1868), *Fla.*

subcincta WALK., Cat. Blatt. Brit. mus., 126 (1868), *Mex.*

truncata SAUSS.-ZEHNTEN., Biol. centr. amer., Orth., 74 (1893), *Mex., Brazil, Australasia, Afr.*

Periplaneta (Cacerlaca)

americana SAUSS., Orth. Amér. moy., 71-72 (1864), *Monde, d'orig. amér.*

australasiae SAUSS., Orth. Amér. moy., 72-73 (1864), *Antill., Cuba, Mex., Peru*.

Periplaneta (Stylopyga)

decorata BRUNN., Blatt., 224 (1865), *Mex., Venez., Argent., Afr., Zanzibar, Madagascar, Madras*.

occidentalis SAUSS., Rev. mag. zool., 1864, 318 (1864), *Antill.*; Blatt. nov., 14 (1864), *Id.*; Orth. Amér. moy., 4 (1864), *Antill., Mart.*; Mém. soc. phys. hist. nat. Gen., xx, 260 (1869), *Antill.*; Mém. orth., i, 80 (1869), *Id.*; Miss. scient. Mex., Rech. zool., vi, 72 (1870), *Id.*

orientalis SAUSS., Orth. Amér. moy., 73 (1864), *N. Y.* — BRUNN., Blatt., 226 (1865), *Asia, Eur., N. A., Chili, Argent., Australia*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 72 (1870), *U. S.*

rhombifolia SAUSS., Miss. scient. Mex., Rech. zool., vi, 72 (1870), *Mex., tropics.*

Perisphaeria

nigra BRUNN., BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 206, pl. 15, fig. 7 (1892), *St. Vinc.*

rufipes BRUNN., Proc. zool. soc. Lond., 1893, 604-605, pl. 52, fig. 3 (1893), *Grenada.*

Perixerus

laevis REHN, Trans. amer. ent. soc., xxvii, 98-99 (1900), *Mex.*

squamipennis GERST., Stett. ent. zeit., xxxiv, 192 (1873), *Mex.*

Petaloptera

filia BRUNN., Mon. Phaner., 346 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 366 (1898), *Id.*

zendala BRUNN., Mon. Phaner., 346, pl. 7, fig. 100 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 365, pl. 17, figs. 16-18 (1898), *Mex., Guat., Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 51 (1900), *Costa Rica.*

See also Phylloptera (Petaloptera) *zendala.*

Peucestes

championi SAUSS.-PICT., Biol. centr. amer., Orth., 370, 371-372, pl. 18, figs. 3-9 (1898), *Guat., Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 52 (1900), *Costa Rica.*

coronatus STÅL, Rec. Orth., ii, 45 (1874), *Mex.* — BRUNN., Mon. Phaner., 365 (1878), *Mex., Colombia.* — SAUSS.-PICT., Biol. centr. amer., Orth., 370, pl. 18, fig. 1 (1898), *Mex., Pan., Colombia.*

dentatus STÅL, Rec. Orth., ii, 45 (1874), *Pan., Guiana.* — BRUNN., Mon. Phaner., 365 (1878), *Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 370, 371, pl. 18, figs. 3-5 (1898), *Tex., Pan.* — SCUDD., Cat. Orth. U. S., 68 (1900), *Tex.*

latipennis SAUSS.-PICT., Biol. centr. amer., Orth., 370, 371, pl. 18, fig. 2 (1898), *Mex., Colombia.*

striolatus BRUNN., Mon. Phaner., 366 (1878), *Brazil, Peru, Pan.* — SAUSS.-PICT., Biol. centr. amer., Orth., 370, 372-373 (1898), *Centr. Amer., Pan., S. A.*

Pezotettix

abditus DODGE, Can. ent., ix, 113 (1877), *Nebr.* — SCUDD., Ibid., xii, 75 (1880). — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Id.*

acutipennis SCUDD., Proc. Bost. soc. nat. hist., xvii, 472-473 (1875), *Tex.*; Ent. notes, iv, 71-72 (1875), *Id.*; Cent. Orth., 16-17 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*; Bull. Washb. coll., i, 136 (1885), *Kans.*

affiliatus SCUDD., Can. ent., xii, 75 (1880).

albus DODGE, Can. ent., viii, 10-11 (1876), *Nebr.* — BRUN., *Ibid.*, ix, 144 (1877), *Id.* — THOM., Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Nebr.*, *Minn.*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884). — RILL., Stand. nat. hist., ii, 201-202 (1884), *Nebr.* — BRUN., Bull. Washb. coll., i, 136 (1885), *Kans.*, *Nebr.*, *Wyo.*, *Mont.*, *Dak.*, *Minn.*, *Manit.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

altitudinum SCUDD., Proc. Bost. Soc. nat. hist., xx, 86 (1879); Cent. Orth., 75 (1879).

aridus SCUDD., Proc. Bost. soc. nat. hist., xx, 84 (1879), *Ariz.*; Cent. Orth., 73 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

aspirans SCUDD., Proc. Bost. soc. nat. hist., xx, 85-86 (1879), *Col.*; Cent. Orth., 74-75 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

atlanis HUNT, Misc. ess. econ. ent. Ill., 120, 126 (1884). — GARM., Orth. Ky., 3, 8 (1894), *Ky.*

atlanticus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 12 (1878).

autumnalis DODGE, Can. ent., viii, 10 (1876), *Nebr.* — BRUN., *Ibid.*, ix, 144 (1877), *Id.*; Rep. U. S. ent. comm., iii, 59 (1883), *Nebr.*, *Dak.* — McNEILL, Psyche, vi, 76 (1891), *Ill.*

aztecus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 10 (1878), *Mex.*

bivittatus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — GARM., Orth. Ky., 8 (1894), *Ky.*

bohemani STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 15 (1878), *Col.*

borckii STÅL, Rec. orth., i, 79 (1873), *Cal.* — THOM., Rep. U. S. geol. surv. terr., v, 149-150 (1873), *Id.* — SCUDD., Rep. U. S. ent. comm., ii, App., 24, pl. 17, fig. 17 (1881), *Or.* — BRUN., *Ibid.*, iii, 59 (1883), *Cal.*, *Or.*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884), *Mont.*, *Idaho*, *Wyo.*; Can. ent., xvii, 12 (1885), *Wash.*

borealis SCUDD., Can. nat., vii, 286-287 (1862), *Saskatch.*, *Winnipeg*, *Anticosti*; Bost. journ. nat. hist., vii, 464 (1862), *Id.*, *Minn.* — SMITH, Proc. Portl. soc. nat. hist., i, 149 (1868), *Me.* — PACK., Guide ins., 569 (1869), *Brit. Amer.*, *N. H.*, *Me.* — THOM., Proc. acad. nat. sc. Philad., 1870, 78 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 6, figs. 16-18 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 153 (1873), *Minn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 374 (1874), *Minn.*, *Saskatch.*, *Winnipeg*, *Anticosti*, *N. H.*, *Me.*; Daws., Rep. geol. 49 par., 343 (1875), *Souris Riv.*; Butt. Orth. Brit. Amer. bound. comm., 3 (1875), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Dak.*, *Mont.* — GIR., Traité ent., ii, 246 (1879), *Minn.* — SCUDD.,

Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1886), *Minn.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — CAULF., Can. rec. sc., ii, 401 (1887), *Lake of Woods*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 113, 114 (1888), *N. E.*; Orth. N. E., 29, 30 (1888), *Id.* — MORSE, Psyche, vii, 53 106 (1894), *Id.* — BRUN., Rep. st. hort. soc. Nebr., 1894, 163 (1894); Bull. div. ent. U. S. dep. agric., xxxii, 12, 13 (1894), *Col.*; Ins. life, vii, 41-42 (1894), *Id.* — LINTX., Rep. st. mus. N. Y., xlix, 272 (1896). — HUNT., Bull. div. ent. U. S. dep. agric., n. s., x, 48 (1898), *Id.*

dawsoni SCUDD., Daws., Rep. geol. 49 par., 343 (1875), *Souris Riv.*; Butt. Orth. Brit. Amer. bound. comm., 3 (1875), *Id.*; Can. ent., xii, 75 (1880). — CAULF., Can. rec. sc., ii, 401 (1887), *Id.*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 208 (1896).

differentialis STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — WEED, Misc. ess. econ. ent. Ill., 48 (1886). — HUNT, Ibid., 122-123, 126 (1886). — WEED, Rep. ent. Ill., xv, 40 (1889). — GARM., Orth. Ky., 4, 8 (1894), *Ky.*

discolor SCUDD., Proc. Bost. soc. nat. hist., xx, 81 (1879), *Tex.*; Cent. Orth., 70 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*

dodgei THOM., Rep. U. S. geol. surv. terr., v, 153-154 (1873), *Col.*; Proc. Davenp. acad. nat. sc., i, 259 (1876), *Id.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 261-262 (1876), *Utah*. — UHL., Ibid., iii, 796 (1877), *Col.* — THOM., Rep. chief eng., 1878, 1845 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Utah, Mont., Col.*; Bull. div. ent. U. S. dep. agric., iv, 57 (1884), *Col.* — RIL., Stand. nat. hist., ii, 202 (1884), *Id.* — COCK., Can. ent., xxii, 76 (1890), *Id.*

dumicola SCUDD., Proc. Bost. soc. nat. hist., xx, 76 (1879), *Tex.*; Cent. Orth., 65 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

edax SAUSS., Rev. mag. zool., 1861, 161 (1861), *Car.*; Orth. nova amer., ii, 11 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 152 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.*

enigma SCUDD., Ann. rep. chief eng., 1876, 502, 505-506 (1876), *Cal.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 285-286 (1876), *Id.*; Proc. Bost. soc. nat. hist., xix, 287 (1878), *Id.*; Ent. notes, vi, 46 (1878), *Id.*; Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59, (1883), *Ariz.*; Can. ent., xvii, 15 (1885), *Wash.*; Bull. div. ent. U. S. dep. agric., xxvii, 29 (1892); Ibid., xxviii, 33-34, fig. 17 (1893), *Idaho, Nev., Wash., Or., Cal.*

femur rubrum STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 13 (1878). — FORBES, Rep. ins. Ill., xiii, 62, 87, pl. 10, fig. 1 (1884), *Ill.*; Ibid., xiv, 23 (1885), *Id.* — WEED, Misc. ess. econ. ent. Ill., 48 (1886). — HUNT, Ibid., 119, 126 (1886). — WEED, Rep. ent. Ill., xv, 40 (1889). — GARM., Orth. Ky., 3, 8 (1894).

fiabellatus SCUDD., Proc. Bost. soc. nat. hist., xx, 82 (1879), *Tex.*; Cent. Orth., 71 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

flavoannulatus LA MUN., Proc. Nebr. ass. adv. sc., March 8, 1877 (1877), *Nebr.* — SCUDD., Can. ent., xii, 75 (1880).

glacialis SCUDD., Bost. journ. nat. hist., vii, 630, pl. 14, figs. 9, 10 (1863), *N. H.* — SMITH, Proc. Portl. soc. nat. hist., i, 149 (1868), *Me., N. H., Mass.* — THOM., Rep. U. S. geol. surv. terr., v, 148 (1873), *N. H.* — SCUDD., Hitchc., Rep. geol. N. H., i, 374, pl. A, figs. 5, 10 (1874), *N. H., Me., Mass.* — STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 15 (1878). — GIR., Traité ent., ii, 246 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *N. H., Brit. Amer.* — RIL., Stand. nat. hist., ii, 202 (1884), *N. H.* — COMST., Intr. ent., 107 (1888), *N. E., N. Y.* — FERN., Ann. rep. Mass. agric. coll., xxv, 113 (1888), *N. E.*; Orth. N. E., 29 (1888), *Id.* — MORSE, Psyche, vii, 106 (1894), *Id.* — HARV.-KNIGHT, Ibid., viii, 77 (1897), *Me.* — SEISS, Ent. news, viii, 255-256 (1897), *Penn.*

gracilis BRUN., Can. ent., viii, 124 (1876), *Nebr.*; Ibid., ix, 144 (1877), *Id.* — SCUDD., Ibid., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Nebr., Dak.* — BLATCHL., Can. ent., xxiii, 81 (1891), *Ind.* — MCNEILL, Psyche, vi, 76 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — GAMM., Orth. Ky., 7 (1894), *Ky.* — BLATCHL., Can. ent., xxvi, 223 (1894), *Ind.*; Orth. Ind., 21 (1897), *Id.*

helluo STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878).

hispidus BRUN., Can. ent., xvii, 12-14 (1885), *Wash.*

hoosieri BLATCHL., Can. ent., xxiv, 31-33 (1892), *Ind.*

humphreysii THOM., Rep. U. S. geol. surv. w. 100 mer., v, 890-892, pl. 45, figs. 1, 2 (1875), *Ariz.*

jucundus SCUDD., Ann. rep. chief eng., 1876, 502, 505 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 285 (1876), *Id.*; Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

junius DODGE, Can. ent., viii, 9-10 (1876), *Nebr.* — BRUN., Ibid., ix, 144 (1877), *Id.*; Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

lakinus SCUDD., Proc. Bost. soc. nat. hist., xx, 79 (1879), *Kans., Col.*; Cent. Orth., 68 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*; Bull. Washb. coll., i, 136 (1885), *Id.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

longicornis SAUSS., Rev. mag. zool., 1861, 159 (1861), *Car.*; Orth. nova amer., ii, 9 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 150 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

mancus SMITH, Proc. Portl. soc. nat. hist., i, 149 (1868), *Me.* — THOM., Rep. U. S. geol. surv. terr., v, 149 (1873), *Id.* — SCUDD., Hitchc., Rep. geol. N. H., i, 374 (1874), *Id.* — GIR., Traité ent., ii, 246 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 113, 114 (1888), *N. E.*; Orth. N. E., 29, 30 (1888), *Id.* — MCNEILL, Psyche, vi, 77 (1891), *Ill.* — MORSE, Ibid., vii, 106 (1894), *N. E.*

marginatus SCUDD., Ann. rep. chief eng., 1876, 502, 504 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 284 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

marshallii THOM., Rep. U. S. geol. surv. w. 100 mer., v, 880, pl. 45, fig. 3 (1875), *Col.* — SCUDD., Afrn. rep. chief eng., 1876, 502-503 (1876), *N. Mex., Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282-283 (1876), *Id.*; Appal., i, 263 (1878), *Col.*; Proc. Bost. soc. nat. hist., xx, 86 (1879), *Id.*; Cent. Orth., 75 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *N. Mex., Col.*

megacephalus DODGE, Can. ent., iv, 15 (1872), *Nebr.*

mexicanus SAUSS., Rev. mag. zool., 1861, 160 (1861), *Mex.*; Orth. nova amer., ii, 10 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 222 (1873), *Id.* — STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 8 (1878), *Id.* — SCUDD., Rev. Mel., 405 (1897).

minutipennis THOM., Bull. Ill. mus. nat. hist., i, 66 (1876), *Ill.*; Rep. ent. Ill., ix, 90, 95, 119-120 (1880), *Id.* — SCUDD., Can. ent., xii, 75 (1880).

nebrascensis THOM., Ann. rep. U. S. geol. surv. terr., v, 455-456 (1872), *Nebr.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 2 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 15 (1873), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Id.* — STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*; Bull. Washb. coll., i, 136-137 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.*

nigrescens SCUDD., Can. ent., xii, 75 (1880).

nigrovittatus STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 32 (1875), *Mex.*; *Ibid.*, v, no. 9, 15 (1878).

nudus SCUDD., Proc. Bost. soc. nat. hist., xx, 77 (1879), *Tex.*; Cent. Orth., 66 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

obesus THOM., Ann. rep. U. S. geol. surv. terr., v, 454, pl. 2, figs. 13, 14 (1872), *Idaho, Mont.* — GLOV., Ill. N. A. ent., Orth., pl. 11, figs. 13, 14 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 146 (1873), *Id.*; Proc. Davenport acad. nat. sci., 256 (1876), *Wyo.* — STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 15 (1878).

obovatipennis BLATCHL., Can. ent., xxvi, 241-243 (1894), *Ind.*; Orth. Ind., 21 (1897), *Id.*

occidentalis BRUN., Can. ent., viii, 124-125 (1876), *Nebr.*; *Ibid.*, ix, 144 (1877), *Id.*; Rep. U. S. ent. comm., iii, 59 (1883), *Id.* — MCNEILL, Psyche, vi, 76 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — BLATCHL., Can. ent., xxvi, 243-244 (1894), *Ind.*; Orth. Ind., 21 (1897), *Id.*

olivaceus SCUDD., Proc. Bost. soc. nat. hist., xvii, 472 (1875), *Tex.*; Ent. notes, iv, 71 (1875), *Id.*; Cent. Orth., 16 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.*; Ins. life, iii, 229 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891); Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

oregonensis THOM., Rep. U. S. geol. surv. w. 100 mer., v, 888-889 (1875), *Or.*

pacificus SCUDD., Rep. U. S. ent. comm., ii, App., 24-25, pl. 17, fig. 16 (1881), *Cala.* — BRUN., *Ibid.*, iii, 59 (1883), *West. U. S., Cala.*

pictus THOM., Proc. acad. nat. sc. Philad., 1870, 78-79 (1870), *Col.*; Ann.

rep. U. S. geol. surv. terr., ii, 265, 270 (1871), *Id.*; GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 4 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 147 (1873), *Col., Kans.*; Proc. Davenport. acad. nat. sc., i, 260 (1876), *Col.* — SCUDD., Ann. rep. chief eng., 1876, 502, 506 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w., 100 mer., 1876, 282, 286 (1876), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — SCUDD., Proc. Bost. soc. nat. hist., xx, 75 (1879), *Tex., Col., Dak., upper Missouri*; Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Nebr., Kans., Col.* — COMST., Intr. ent., 107 (1888).

pilosus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 10 (1878), *Mex.*

plagosus SCUDD., Ann. rep. chief eng., 1876, 502, 504 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 284 (1876), *Id.*; Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

plebejus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 12 (1878), *Tex.*

puer SCUDD., Proc. Bost. soc. nat. hist., xix, 87 (1877), *Fla.*; Ent. notes, vi, 28 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

punctatus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 11 (1878), *Tex.*

pupaeformis SCUDD., Proc. Bost. soc. nat. hist., xx, 83 (1879), *Tex.*; Cent. Orth., 72 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

rectus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 12 (1878).

robustus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878).

rotundipennis SCUDD., Proc. Bost. soc. nat. hist., xix, 86-87 (1877), *Fla.*; Ent. notes, vi, 27-28 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.* — BLATCHL., Can. ent., xxiii, 80 (1891), *Ind.*

rusticus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 13 (1878), *Tex.*

sanguineipes BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

scudderi UHL., Proc. ent. soc. Philad., ii, 555 (1864), *Md., Ill.* — SMITH, Rep. Conn. bd. agric., 1872, 370, 381 (1872), *N. E., Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 152 (1873), *Md., Ill.*; Bull. Ill. mus. nat. hist., i, 67 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — SCUDD., Can. ent., xii, 75 (1880). — THOM., Rep. ent. Ill., ix, 91, 95, 120 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Md., Ill.*; Bull. Washb. coll., i, 136 (1885), *Kans., D. C.* — COMST., Intr. ent., 107 (1888), *N. Y.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 80 (1891), *Ind.* — MCNEILL, Psyche, vi, 76 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — MORSE, Psyche, vii, 106 (1894), *N. E.* — GARM., Orth. Ky., 8 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 309, pl. 8, fig. 6 (1894), *N. Y.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.*

septentrionalis SAUSS., Rev. mag. zool., 1861, 159 (1861), *Labr.*; Orth. nova amer., ii, 10 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 222 (1873), *Id.* — SCUDD., Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Id.* — CAULF., Can. rec. sc., ii, 401 (1887), *Id.*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — MORSE, Psyche, vii, 53 (1894).

speciosus SCUDD., Rep. U. S. geol. surv. Nebr., 250 (1871), *Nebr.* —

Glov., Ill. N. A. ent., Orth., pl. 17, fig. 4 (1874). — BRUN., Can. ent., ix, 144 (1877), *Id.* — STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Dak., Mont.*

spretus STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — HUNT, Mæsc. ess. econ. ent. Ill., 120-122, 126 (1886).

stupefactus SCUDD., Ann. rep. chief eng., 1876, 502, 503-504 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 283-284 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

sumichrasti SAUSS., Rev. mag. zool., 1861, 160 (1861), *Mex.*; Orth. nova amer., ii, 11 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 223 (1873), *Id.*

tellustris SCUDD., Ann. rep. chief eng., 1876, 502 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282 (1876), *Id.*; Can. ent., xii, 75 (1880). — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

texanus SCUDD., Proc. Bost. soc. nat. hist., xx, 80 (1879), *Tex.*; Cent. Orth., 69 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

unicolor THOM., Rep. U. S. geol. surv. terr., v, 151-152 (1873), *Ill.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 9 (1874). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 888, pl. 45, fig. 4 (1875), *Col.*; Proc. Davenp. acad. nat. sc., i, 260 (1876), *Id.*; Bull. Ill. mus. nat. hist., i, 66 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — RIL., Rep. U. S. ent. comm., i, 220, 226 (1878), *Mo.* — THOM., Rep. ent. Ill., ix, 95, 118-119 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*; Bull. Washb. coll., i, 136 (1885), *Kans.*; Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

varicolor STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 9 (1878), *Colombia, Mex.*

variegatus SCUDD., Proc. Bost. soc. nat. hist., xx, 75-76 (1879), *Cal., Ariz., Sonora*; Cent. Orth., 64 (1879), *Id.* — BRUN., Bull. U. S. ent. comm., iii, 59 (1883), *Col., N. Mex.*

viola THOM., Bull. Ill. mus. nat. hist., i, 68 (1876), *Ill.* — RIL., Rep. U. S. ent. comm., i, 220, 226 (1878), *Mo.* — SCUDD., Can. ent., xii, 75 (1880). — THOM., Rep. ent. Ill., ix, 90, 95, 121 (1880), *Ill.* — BLATCHL., Can. ent., xxiii, 81 (1891), *Ind.* — MCNEILL, Psyche, vi, 76 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.* — GARM., Orth. Ky., 8 (1894), *Ky.*

viridipes WALSH, Blatchl., Can. ent., xxiii, 80 (1891), *Ind.* — BLATCHL., *Ibid.*, xxiv, 34 (1892); Orth. Ind., 21 (1897), *Id.*

viridis STÅL, Bih. sv. vet.-akad. handl., v, no. 9, 14 (1878). — BRUN., Publ. Nebr. acad. sc., iii, 27 (1893), *Nebr.*

viridulus MCNEILL, Psyche, vi, 75-76 (1891), *Ill., Ind.* — BLATCHL., Can. ent., xxiv, 34 (1892); *Ibid.*, xxvi, 245 (1894), *Ind.*

vivax SCUDD., Ann. rep. chief eng., 1876, 502, 504-505 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 282, 284-285 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

washingtonianus BRUN., Can. ent., xvii, 14-15 (1885), *Wash.*

zimmermanni SAUSS., Rev. mag. zool., 1861, 159 (1861), *Car.*; Orth. nova amer., ii, 9 (1861), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 150 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 59 (1883), *Id.*

Pezotettix (Dactylotum)

pictus BRUN., Bull. div. ent. U. S. dep. agric., iv, 57 (1884), *Col.*

Pezotettix (Melanoplus)

femur rubrum STÅL, Rec. Orth., i, 79 (1873), *Penn.*

Phaedrotettix

angustipennis SCUDD., Rev. Mel., 22-23, pl. 2, fig. 7 (1897), *Mex., Tex.*;
Cat. Orth. U. S., 48 (1900), *Tex.*

Phaeoparia

maculipennis GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 5 (1897), *Darien.*

rotundata STÅL, Bih. sv. vet.-akad. handl., v, no. 4, 57 (1878), *Pan.* —
GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 5 (1897), *Id.*

Phalangopsis

annulata BIL., Verh. zool.-bot. ges. Wien, xvii, 904 (1867), *Mex.* —
WALK., Cat. Derm. salt. Brit. mus., i, 105 (1869), *Id.*

annulipes SERV., Ann. sc. nat., xx, 167 (1831), *Haiti.* — ÖKEN, Isis, 1835, 174 (1835), *Id.* — BLANCH., Hist. nat. ins., iii, 32 (1840), *Id.* — GUÉR., Sagra, Hist. nat. Cuba, 353, pl. 12, fig. 9 (1857), *Cuba.* — GIR., Traité ent. ii. 137 (1879), *Haiti.*

See also Gryllus (Phalangopsis) annulipes.

arachnoides WALK., Cat. Derm. salt. Brit. mus., i, 105 (1869), *Jam.*

azteca SAUSS., Rev. mag. zool., 1859, 209 (1859), *Mex.*; Orth. nova amer., i, 12 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.*

brevipes WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Platte.*

gracilipes HALD., Proc. amer. ass. adv. sc., ii, 346 (1850), *Penn.* — WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.*

lapidicola BURM., Handb. ent., ii, 723 (1838), *Va., S. C.* — UHL., Harr., Ins. inj. veg., 3 ed., 155-156, fig. 73 (1862), *Mass.* — BESS., Bienn. rep. Iowa agric. coll., vii, 206 (1877), *Iowa.*

longipes BURM., Handb. ent., ii, 722 (1838), *Mittel Amerika.*

maculata HARR., Ins. inj. veg., 2 ed., 137 (1852), *Mass.*; Ibid., 3 ed., 155, fig. 73 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.*

pumila WALK., Cat. Derm. salt. Brit. mus., i, 107 (1869), *W. I.*

robusta WALK., Cat. Derm. salt. Brit. mus., i, 117 (1869), *U. S.*

scabripes HALD., Proc. acad. nat. sc. Philad., vi, 384 (1853), *Ala.* —
WALK., Cat. Derm. salt. Brit. mus., i, 116 (1869), *Id.*

Phalangopsis (Daihinia)

brevipes HALD., Proc. amer. ass. adv. sc., ii, 346 (1850), *Platte*.

robusta HALD., Proc. amer. ass. adv. sc., ii, 346 (1850), *N. A.*

Phaneroptera

alipes WESTW., Arc. ent., ii, 87, pl. 70, fig. 1 (1843-1845), *Colombia, Mex.*

angustifolia HARR., Ins. inj. veg., 1 ed., 129 (1841, 1842), *Mass.*; Ibid., 2 ed., 140 (1852), *Id.* — EMM., Agric. N. Y., v, 145, pl. 9, fig. 2 (1854), *N. Y.* — JAEGER, N. A. ins., 1 ed., 154 (1854), *N. A.*; Ibid., 2 ed., 109 (1859), *Id.* — PACK., Rep. nat. hist. Me., 1862, 196 (1862), *Me.*; How to collect, 56 (1862), *Id.* — HARR., Ins. inj. veg., 3 ed., 161, fig. 76 (1862), *Mass.* — THOM., Trans. Ill. st. agric. soc., v, 445 (1865), *Ill.*

coloradensis THOM., Glov., Ill. N. A. ent., Orth., pl. 11, fig. 12 (1872).

curvicauda BURM., Handb. ent., ii, 690 (1838), *Car.* — UHL., Harr., Ins. inj. veg., 3 ed., 161 (1862), *Mid. south. st.* — SCUDD., Can. nat., vii, 285 (1862), *Manit.*; Bost. journ. nat. hist., vii, 448-449 (1862), *Mass., Conn., Me., Manit.* — RATHV., Rep. U. S. dep. agric., 1862, 382, pl., fig. 21 (1862). — SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 309-310 (1868), *N. E.*; Amer. nat., ii, 116, figs. 2, 2a (1868), *Id.* — PACK., Guide ins., 566 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 335 (1869), *U. S.*; Can. ent., iv, 30 (1872), *Nova Scotia.* — SMITH, Rep. Conn. bd. agric., 1872, 357, 380, figs. 6, 6a (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 3; fig. 10, pl. 7, figs. 2, 3 (1872). — RIL., Ann. rep. ins. Mo., v, 124 (1873), *Mo.* — SCUDD., Hitchc., Rep. geol. N. H., i, 366, figs. 51, 52 (1874), *N. H. to Car., Manit., Mich., Ill.* — RIL., Ann. rep. ins. Mo., vi, 164, figs. 50, 51 (1874), *Mo.* — PROV., Faune ent. Can., ii, 28, fig. 5 (1877), *Can.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — THOM., Bull. U. S. geol. surv. terr., iv, 485 (1878), *Dak., Mont.* — RIL., Amer. nat., xvii, 1289 (1883); Stand. nat. hist., ii, 191 (1884), *U. S.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 395-396 (1887), *Can.*; Can. Orth., 8 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 63, 69-70 (1888), *Id.* — PACK., Ins. inj. for., 222, 513 (1890).

See also *Locusta* (Phaneroptera) *curvicauda*.

mexicana SAUSS., Rev. mag. zool., 1861, 129 (1861), *Mex.*; Orth. nova amer., ii, 4 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 236 (1869), *Id.*

septentrionalis SERV., Orth., 416 (1839), *N. A.*

See also *Locusta* (Phaneroptera) *septentrionalis*.

suturalis HEER, Insektenf. tert. Oen., ii, 4-5 (1849), *Georgia.*

tolteca SAUSS., Rev. mag. zool., 1859, 201 (1859), *Mex.*; Orth. nova amer., i, 5 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 335 (1869), *Id.*

Phanocles

curvipes REDT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 207-208, pl. 15, fig. 9ab (1892), *St. Vinc.*

Phantasis

lyrata BOL., Mém. soc. zool. France, i, 137 (1888), *Cuba*; Orth. Cuba, 22 (1888), *Id.* — GUNDL., Ent. cub., ii, 326 (1890), *Id.*

planula SAUSS., Miss. scient. Mex., Rech. zool., vi, 188–189 (1872), *Cuby* — STÅL, Rec. Orth., iii, 73 (1875), *Haiti*.

saussurei BOL., Mém. soc. zool. France, i, 136–137 (1888), *Cuba*; Orth. Cuba, 21–22 (1888), *Id.* — GUNDL., Ent. cub., ii, 325–326 (1890), *Id.*

scythrus SAUSS., Miss. scient. Mex., Rech. zool., vi, 190–191 (1872), *Mex*

vittata SAUSS., Miss. scient. Mex., Rech. zool., vi, 189–190 (1872), *Mex*.

Phasma

acuticorne GRAY, Syn. Phasm., 26 (1835), *Amer. aequinoct.*

angulatum FABR., Suppl. ent. syst., 187 (1798), *Guadeloupe*. — PALIS., Ins. Afr. Amér., 166, pl. 14, fig. 4 (1817), *St. Dom.*

baculum LATR., Hist. nat. Crust. Ins., xii, 104 (1804), *Antill.*

bispinosum FABR., Suppl. ent. syst., 188 (1798), *Amer.* — SERV., Ann. sc. nat., xxii, 58 (1831), *Id.*

buprestoides STOLL', Répr. spectr., Spectr., 68, pl. 23, fig. 87 (1787–1813), *Geo., N. A.*

calamus FABR., Suppl. ent. syst., 187 (1798), *St. Croix*. — LICHT., Trans. Linn. soc. Lond., vi, 10 (1802), *Id.*

citrifolium LICHT., Trans. Linn. soc. Lond., vi, 17 (1802), *In Indiis*.

cornutum SERV., Ferr., Bull. sc. nat., i, 296 (1824), *Amér. équinox.* — GUILD., Trans. Linn. soc. Lond., xiv, 137, pl. 7, figs. 1–10 (1825), *Centr. Amer., W. I.* — OKEN, Isis, 1829, 1212 (1829), *Id.* — PERTY, Ins., Del. anim. art., 19 (1830–1834), *Id.* — WESTW., Intr. class. ins., i, 434 (1839), *W. I.*

cubense SAUSS., Rev. mag. zool., (2), xx, 69 (1868); Miss. scient. Mex., Rech. zool., vi, 195, pl. 4, fig. 23 (1872), *Cuba*. — BOL., Mém. soc. zool. France, i, 141 (1888), *Id.*; Orth. Cuba, 26 (1888), *Id.* — GUNDL., Ent. cub., ii, 334–335 (1890), *Id.*

dracunculus LICHT., Trans. Linn. soc. Lond., vi, 16 (1802), *In Indiis*.

ferrugineum PALIS., Ins. Afr. Amér., 166, pl. 14, figs. 5, 7 (1805–1821), *U. S., S. C., Va.*

ferula FABR., Suppl. ent. syst., 187 (1798), *Guadeloupe*.

filiforme BILLB., Enum. ins., 63 (1820), *Amer.* — OKEN, Allg. naturg., v, C, 1507 (1836), *W. I.*

jamaicense FABR., Suppl. ent. syst., 188 (1798), *Jam.* — STOLL', Répr. spectr., Spectr., 15, 17, pl. 6, figs. 20, 21 (1787–1813), *Moluccas, Ternate, Amboina, Banda, Spanish Amer.*

laterale LICHT., Trans. Linn. soc. Lond., vi, 15 (1802), *In Indiis*. — CHARP., Germ., Zeitschr. ent., v, 286 (1844).

menius STÅL, Rec. Orth., iii, 97 (1875), *Chiriqui*.

ohrtmanni LICHT., Trans. Linn. soc. Lond., vi, 17, pl. 2, fig. 1 (1802), *In Indiis*.

planulum WESTW., Cat. Phasm., 34, pl. 1, fig. 7 (1859), *St. Dom.*

reticulatum STOLL, Rêpr. spectr., Spectr., 67, pl. 23, fig. 85 (1817), *Amer.*

— PALIS., Ins. Afr. Amér., 166, pl. 14, fig. 5 (1805–1821), *St. Dom.*

spinicolle BURM., Handb. ent., ii, 585 (1838), *St. Dom.* — HAAN, Bijdr.

kenn. Orth., 101 (1842), *Id.* — GUÉR., Sagra, Hist. nat. Cuba, 352 (1857), *Cuba.*

— GUNDEL., Ent. cub., ii, 335 (1890), *Id.*

spinosum FABR., Suppl. ent. syst., 188 (1798), *In Indiis.* — SERV., Ann. sc. nat., xxii, 58 (1831), *Id.*

Phasma (Acanthoderus)

cornutum HAAN, Bijdr. kenn. Orth., 102 (1842), *Porto Rico, St. Thom., St. Johns, St. Croix, Antigua.*

Phasma (Anisomorpha)

buprestoides HAAN, Bijdr. kenn. Orth., 101 (1842), *Car., Va., Geo.*

ferrugineum HAAN, Bijdr. kenn. Orth., 101 (1842), *Car., Va., Geo.*

Phasma (Bacteria)

calamus HAAN, Bijdr. kenn. Orth., 102 (1842), *Porto Rico, St. Thom., St. Johns, St. Croix, Antigua.*

calcaratum HAAN, Bijdr. kenn. Orth., 101, 134 (1842), *Mex.*

cubense HAAN, [cubaense] Bijdr. kenn. Orth., 101 (1842), *Cuba.*

femoratum HAAN, Bijdr. kenn. Orth., 101, 134 (1842), *Penn., Tenn., S. C.*

lineare HAAN, Bijdr. kenn. Orth., 102 (1842), *Porto Rico, St. Thom., St. Johns, St. Croix, Antigua.*

mexicanum HAAN, Bijdr. kenn. Orth., 101 (1842), *Mex.*

spinosum HAAN, Bijdr. kenn. Orth., 102, 134 (1842), *St. Dom.*

striatum HAAN, Bijdr. kenn. Orth., 101 (1842), *Mex.*

tridens HAAN, Bijdr. kenn. Orth., 101, 134 (1842), *Mex.*

Phasma (Diapherodes)

angulatum HAAN, Bijdr. kenn. Orth., 102 (1842), *Porto Rico, St. Thom., St. Johns, St. Croix, Antigua.*

gigas WESTW., Drury, Ins., ii, 100, pl. 50 (1837), *St. Vinc.*

venustulum HAAN, Bijdr. kenn. Orth., 101, 109 (1842), *Cuba.*

Phasma (Haplopus)

micropterum HAAN, Bijdr. kenn. Orth., 102, 128 (1842), *Porto Rico, St. Thom., St. Johns, St. Croix, Antigua.*

spinipes HAAN, Bijdr. kenn. Orth., 102 (1842), *St. Dom.*

Phasma (Platycrana)

jamaicense WESTW., Drury, Ins., ii, 99, pl. 49, fig. 1 (1837), *Jam.*

Phasmomantis

carolina RIL., Stand. nat. hist., ii, 174, figs. 249, 250 (1884). — BRUN., Bull. Washb. coll., i, 125 (1885), *Kans.* — COMST., Intr. ent., 95, figs. 89, 90 (1888); Man. study ins., 107, figs. 116, 117 (1895), *South. st.*

championi SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 149-150, pl. 7, fig. 6 (1894), *Pan.*

sumichrasti SAUSS., Mitth. schweiz. ent. ges., iii, 69 (1869), *Mex.*; Mant. amér., 55-57 (1871), *Id.*; Miss. scient. Mex., Rech. zool., vi, 252-253, pl. 3, figs. 7, 8, 8a (1872), *Id.* — WESTW., Rev. Mant., 10 (1889), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 149 (1894), *Tex., Mex., Brit. Hond.* — SCUDD., Can. ent., xxviii, 210; 214 (1896), *Tex., Mex.*; Cat. Orth. U. S., 12 (1900), *Tex.*

thoracica SAUSS., Mant. amér., 57 (1871), *Amér.*

Phaulotettix

compressus SCUDD., Rev. Mel., 30, pl. 2, fig. 11 (1897), *Mex.*

Pherterus

cubensis BRUNN., Verh. zool.-bot. ges. Wien, 1888, 282, fig. 15 (1888), *Cuba, Haiti, Brazil*; Mon. Stenop., 38, fig. 15 (1888), *Id.* — BOL., Mém. soc. zool. France, i, 155 (1888), *Cuba*; Orth. Cuba, 40 (1888), *Id.* — GUNDL., Ent. cub., ii, 304-365 (1891), *Id.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 216 (1892), *St. Vinc., Cuba, Haiti, Brazil.* — BRUNN., Ibid., 1893, 608 (1893), *Id., Granada.* — SAUSS.-PICT., Biol. centr. amer., Orth., 295 (1897), *Brazil, Cuba, Haiti.*

Phibalosoma

cubense SAUSS., [Phybal-] Rev. mag. zool., (2), xx, 67 (1868), *Cuba*; Miss. scient. Mex., Rech. zool., vi, 179, pl. 4, figs. 22, 22a (1872), *Id.* — BOL., Mém. soc. zool. France, i, 139 (1888), *Id.*; Orth. Cuba, 24 (1888), *Id.* — GUNDL., Ent. cub., ii, 331-332 (1890), *Id.*

ploiaria WESTW., Cat. Phasm., 79, pl. 13, fig. 4 (1859), *Plag. occid., Amer. sept.*

Phibalosoma (Bactridium)

aetolus SAUSS., Miss. scient. Mex., Rech. zool., vi, 174-175 (1872), *Mex.*

Phibalosoma (*Xylodius*)

adumbratum SAUSS., Miss. scient. Mex., Rech. zool., vi, 182-183, pl. 4, figs. 19, 19ab (1872), *Porto Rico*.

Philobora

conspersa BRUNN., Blatt., 295, pl. 7, fig. 35 (1865), *Cuba, Brazil*. — SAUSS., Miss. scient. Mex., Rech. zool., vi, 108 (1870), *Id.* — BOL., Mém. soc. zool. France, i, 132 (1888), *Id.*; Orth. *Cuba*, 17 (1888), *Id.* — GUNDEL., Ent. cub., ii, 317 (1890), *Cuba*. — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 101 (1893), *Cuba, Brazil*.

Philobostroma

parvum. See *Philobostroma parvum*.

Philocleon

nigrovittatus SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *Mex.*; Rev. Mel., 396-398, pl. 26, figs. 8, 9 (1897), *Id.*

Philophyllia

guttulata STÅL, Rec. Orth., ii, 42 (1874), *Mex.* — BRUNN., Mon. Phaner., 350, pl. 7, fig. 102 (1878), *Id.* — SAUSS.-PICK., Biol. centr. amer., Orth., 367 (1898), *Mex., Guat.* — BOLL., Inf. mus. nac. Costa Rica, 1899-1900, 52 (1900), *Costa Rica*.

Phlibostroma

laetum BRUN., Bull. Washb. coll., i, 199 (1886), *Wyo., Col.*

parvum SCUDD., Ann. rep. chief eng., 1876, 510 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 290 (1876), *Id.* — BRUN., [Philybo-] Rep. U. S. ent. comm., iii, 57 (1883), *Id.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 199 (1886), *Kans.* — MCNEILL, [Philobo-] Psyche, vi, 64 (1891), *Ill.*

pictum SCUDD., Proc. Bost. soc. nat. hist., xvii, 517 (1875), *Nebr.*; Ent. notes, iv, 91 (1875), *Id.*; Cent. Orth., 29 (1879), *Id.* — BRUN., [Philybo-] Rep. U. S. ent. comm., iii, 57 (1883), *Id.*; Bull. Washb. coll., i, 198-199 (1886), *Kans., Nebr., Tex.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*

quadrinaculatum BRUN., Bull. Washb. coll., i, 135 (1885), *Kans.* — COCK., [Philib-] Ent., xxi, 301 (1888), *Col.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MCNEILL, Proc. Davenport acad. nat. sc., vi, 248-249, pl. 4, figs. 19, 19ab (1897), *Rocky Mts. from Tex. to Brit. Amer., e. to Kans.*

Nebr. — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 23 (1900), *Rocky Mts. and plains edsw.*

Phlugis

chrysopa BOL., Mém. soc. zool. France, i, 152-153 (1888), *Cuba*; Orth. Cuba, 37-38 (1888), *Id.* — GUNDL., Ent. cub., ii, 363-364 (1891), *Id.*

Phlybostroma

See Philibostroma, *passim*.

Phoberopus

championi SAUSS.-PICT., Biol. centr. amer., Orth., 298, pl. 14, figs. 20-22 (1897), *Guat.*

Phoebolampta

magnifica BRUNN., Mon. Phaner., 352, pl. 7, fig. 103 (1878), *Haiti, San Dom.* — BOL., Mém. soc. zool. France, i, 148 (1888), *Cul x*; Orth. Cuba, 33 (1888), *Id.* — GUNDL., Ent. cub., ii, 352-353 (1890), *Id.*

Phoetalia

circumvagans SAUSS., Rev. suisse zool., iii, 343 (1895).

laevigata SAUSS., Rev. suisse zool., iii, 343 (1895).

Phoetaliotes

nebrascensis SCUDD., Rep. ent. soc. Ont., xxvi, 63 (1896), *Alb., Assin.*; Proc. amer. acad. arts sc., xxxii, 205 (1897), *Alb. to Mex.* — BALL, Proc. Iowa acad. sc., iv, 241 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — SCUDD., Rev. Mel., 377-380, pl. 1, fig. e, pl. 25, figs. 6, 7 (1897), *Assin., Alb., Mont., Wyo., Nebr., Ill., Kans., Col., Tex., Ariz., Mex.; also Iowa, Dak.* — McNEILL, Psyche, viii, 371 (1899), *Ind. Terr.* — SCUDD., Cat. Orth. U. S., 65 (1900), *Rocky Mts. to Miss. Riv.*

nebrascensis nebrascensis SCUDD., Rev. Mel., 377, pl. 35, fig. 6 (1897).

nebrascensis volucris SCUDD., Rev. Mel., 378, pl. 1, fig. e, pl. 25, fig. 7 (1897). — LUGG., Orth. Minn., 213, fig. 137 (1898), *Minn.*

volucris. *See* Phoetaliotes nebrascensis volucris.

Phoraspis

atomaria BLANCH., Ann. soc. ent. France, (1), vi, 287, pl. 10, fig. 2 (1837), *Guadeloupe.* — SERV., Orth., 126 (1839), *Id.* — SAUSS., Orth. Amér. moy., 144

(1864), *Id.* — BRUNN., Blatt., 159 (1865), *Id.*, Brazil. — WALK., Cat. Blatt. Brit. mus., 63 (1868), *Guadel.*

bicolor SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 61 (1894), *Centr. Amer.*

leucogramma SAUSS., Miss. scient. Mex., Rech. zool., vi, 75 (1870), *Mex., Prazil.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 60 (1893), *Id.*

mexicana SAUSS., Rev. mag. zool., 1862, 228 (1862), *Mex.*; Orth. nova amer., iii, 11 (1862), *Id.*; Orth. Amér. moy., 143 (1864), *Id.* — BRUNN., Blatt., 159 (1865), *Id.* — WALK., Cat. Blatt. Brit. mus., 63 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 75, pl. 2, figs. 41, 41a (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 60 (1893), *Id.*

pantherina BLANCH., Ann. soc. ent. France, (1), vi, 292, pl. 10, fig. 3 (1837), *St. Dom.* — SERV., Orth., 127 (1839), *Id.* — SAUSS., Orth. Amér. moy., 144 (1864), *Guadeloupe.* — BRUNN., Blatt., 160 (1865), *St. Dom.* — WALK., Cat. Blatt. Brit. mus., 63 (1868), *St. Dom., Guadel.*

Phortioeca

See Zetobora (*Phortioeca*).

Photina

See Mantis (*Photina*).

Phriza

hoegei SAUSS.-PICT., Biol. centr. amer., Orth., 334, pl. 16, fig. 1 (1897), *Mex.*

maya SAUSS.-PICT., Biol. centr. amer., Orth., 335, pl. 16, fig. 2 (1897), *Yucatan.*

nasuta STÅL, Rec. Orth., ii, 36 (1874), *Mex.* — BRUNN., Mon. Phaner., 263, pl. 6, fig. 80 (1878), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 334 (1897), *Id.* — REHN, Ent. stud., i, 13 (1900), *Id.*; Trans. amer. ent. soc., xxvii, 88 (1900), *Id.*

schumanni SAUSS.-PICT., Biol. centr. amer., Orth., 334 (1897), *Mex.*

sima BRUNN., Mon. Phaner., 264 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 335 (1897), *Id.*

Phrixocnemis

bellicosus SCUDD., Proc. amer. acad. arts sc., xxx, 103, 106-107 (1894), *Col.*; Cat. Orth. U. S., 85 (1900), *Id.*

truculentus SCUDD., Proc. amer. acad. arts sc., xxx, 103-105 (1894), *Nebr. Col.*; Cat. Orth. U. S., 85 (1900), *Id.*

validus SCUDD., Proc. amer. acad. arts sc., xxx, 103, 105-106 (1894), *Cal.*; Can. ent., xxxi, 121 (1899), *Id.*; Cat. Orth. U. S., 85 (1900), *Id.*

Phrynotettix

verruculatus UHL., *Glov.*, Ill. N. A. ent., Orth., pl. 6, fig. 25 (1872), *Tex.* — BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *Id.* — RIL., *Stand. nat. hist.*, ii, 193 (1884), *Southw. U. S.*

Phybalosoma

cubense. See *Phybalosoma cubense*.

Phyllodromia

accolhua. See *Blatta* (*Phyllodromia*) *accolhua*.

adpersicollis BRUNN., *Blatt.*, 107 (1865), *Mex., Brazil.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 202 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 601 (1893), *Grenada, St. Vinc., Cuba, Mex., Brazil.*

See also *Blatta* (*Phyllodromia*) *adpersicollis*.

bivittata BRUNN., *Blatt.*, 92 (1865), *Cape Good Hope, Mauritius, Cuba, Peru, Brazil.*

See also *Blatta* (*Phyllodromia*) *bivittata*.

borealis BRUNN., *Blatt.*, 101 (1865), *N. A.* — SMITH, *Cat. ins. N. J.*, 406 (1890), *N. J.* — SCUDD., *Cat. Orth. U. S.*, 8 (1900), *N. Y., N. J., Nebr.*; *Psyche*, ix, 100 (1900), *N. E.* — SMITH, *Ins. N. J.*, 150 (1900), *N. J.*

See also *Blatta* (*Phyllodromia*) *borealis*.

brunneriana. See *Blatta* (*Phyllodromia*) *brunneriana*.

burmeisteri GERST., *Arch. nat.*, xxiv, pt. 2, 348 (1857), *Cuba.*

See also *Blatta* (*Phyllodromia*) *burmeisteri*.

cubensis BRUNN., *Blatt.*, 109 (1865), *Cuba.*

See also *Blatta* (*Phyllodromia*) *cubensis*.

delicatula GERST., *Arch. nat.*, xxiv, pt. 2, 348 (1857), *Cuba.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 202 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 602 (1893), *Grenada, St. Vinc., Cuba.*

See also *Blatta* (*Phyllodromia*) *delicatula*.

dilatata. See *Blatta* (*Phyllodromia*) *dilatata*.

elongata. See *Blatta* (*Phyllodromia*) *elongata*.

forceps BIOLL., *Inf. mus. nac. Costa Rica*, 1899-1900, 44 (1900), *Costa Rica.*

germanica BRUNN., *Blatt.*, 90, pl. 2, fig. 7 (1865), *Australia, Ceylon, N. Africa, Guinea, Martinique, Chili, N. A., Europe, Siberia, Sicily.* — SCUDD., *Hitchc.*, *Rep. geol. N. H.*, i, 379 (1874), *N. H.* — THOM., *Bull. Ill. mus. nat. hist.*, i, 59 (1876), *Ill.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 92 (1877), *Fla.*; *Ent. notes*, vi, 33 (1878), *Id.*; *Rep. U. S. ent. comm.*, ii, App., 28 (1881), *Cal.* — SMITH, *Cat. ins. N. J.*, 406 (1890), *N. J.* — RIL., *Ins. life*, ii, 266-269, figs. 57a-h (1890). — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 162-164 (1894), *Ind.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 258 (1894), *N. Y.* — PIERS., *Trans. Nova Scot. inst. sc.*, ix, 209 (1896), *Nova Scotia.* — BLATCHL., *Orth.*

Ind., 8, 20 (1897), *Ind.*; Gleanings, 204-206, fig. 44 (1899), *Id.* — SMITH, Ins. N. J., 149-150, fig. 65 (1900), *N. J.*

mexicana. See *Blatta* (*Phyllodromia*) *mexicana*.

nahua BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 44 (1900), *Costa Rica*.

notata BRUNN., Proc. zool. soc. Lond., 1893, 602, pl. 52, figs. 1ab (1893), *Grenada*.

orizabae. See *Blatta* (*Phyllodromia*) *orizabae*.

punctulata BRUNN., Blatt., 108 (1865), *St. Dom.*

supellectilium. See *Blatta* (*Phyllodromia*) *supellectilium*.

totonaca BRUNN., Blatt., 94 (1865), *Mex.*

See also *Blatta* (*Phyllodromia*) *totonaca*.

venustula BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 44 (1900), *Costa Rica*.

vitrea BRUNN., Blatt., 109, pl. 2, fig. 8 (1865), *Mex.*, *Fiji Is.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 44 (1900), *Costa Rica*.

See also *Blatta* (*Phyllodromia*) *vitrea*.

zapoteca BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 44 (1900), *Costa Rica*.

See also *Blatta* (*Phyllodromia*) *zapoteca*.

Phyllomantis

laurifolia SAUSS., Soc. ent., vii, 124 (1892), *Pan.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 183, pl. 6, figs. 6, 7 (1894), *Id.*

Phyllopalpus

latipennis WALK., Cat. Derm. salt. Brit. mus., i, 68 (1869), *Jam.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

nigrovarius WALK., Cat. Derm. salt. Brit. mus., i, 70 (1869), *Mex.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

pulchellus UHL., Proc. ent. soc. Philad., ii, 544 (1864), *Md.*, *N. Y.* — WALK., Cat. Derm. salt. Brit. mus., i, 68 (1869), *N. A.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 22 (1872). — ASHM., Ins. life, vii, 25 (1894), *Miss.*

Phylloptera

azteca SAUSS., Rev. mag. zool., 1859, 203 (1859), *Mex.*; Orth. nova amer., i, 7 (1859), *Id.*

caudata SCUDD., Bost. journ. nat. hist., vii, 445-446 (1862), *Tex.*

couloniana SAUSS., Rev. mag. zool., 1861, 128 (1861), *Cuba*; Orth. nova amer., ii, 4 (1861), *Id.*

curvicauda HARR., Ins. inj. veg., 1 ed., 129 (1841, 1842), *Mid. south. st.*; Ibid., 2 ed., 140 (1852), *Id.*; Ibid., 3 ed., 161 (1862), *Id.*

dimidiata SAUSS.-PICT., Biol. centr. amer., Orth., 352, 353, pl. 16, fig. 28 (1898), *Pan.*, *Colombia*.

festae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 2-3 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 352-353 (1898), *Id.*

finoti GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 3-4 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 352, 353 (1898), *Id.*

intacta WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 42-43 (1871), *Nicar.*

laurifolia SERV., Orth., 404 (1839), *Martinique, Cape Good Hope*. — MACQ., Cat. mus. Lille, 328 (1850), *Martinica*. — GUÉR., Sagra, Hist. nat. Cuba, 354 (1857), *Surinam, Brazil, Martinique, Cuba*. — GIR., Traité ent., ii, 181 (1879), *Martinique*.

See also *Locusta* (Phylloptera) *laurifolia*.

myrtifolia SERV., Ann. sc. nat., xxii, 142 (1831), *Amér.* — GOSSE, Can. nat., 278 (1840), *Can.* — WALK., Cat. Derm. salt. Brit. mus., ii, 376 (1869), *Id.*; Can. ent., iv, 30 (1872), *Can., Nova Scotia*.

See also *Gryllus* (Phylloptera) *myrtifolius*.

oblongifolia BURM., Handb. ent., ii, 693 (1838), *N. A.* — HARR., Ins. inj. veg., 1 ed., 128 (1841, 1842), *Mass., Penn.*; *Ibid.*, 2 ed., 139 (1852), *Id.* — EMM., Agric. N. Y., v, 145 (1854), *N. Y.* — JÆG., N. Amer. ins., 1 ed., 154 (1854), *N. A.*; *Ibid.*, 2 ed., 109 (1859), *Id.* — HARR., Ins. inj. veg., 3 ed., 159, fig. 75 (1862), *Mass., Penn.* — SCUDD., Bost. journ. nat. hist., vii, 444-445 (1862), *Mass.* — RATHV., Rep. U. S. dep. agric., 1862, 382 (1862). — THOM., Trans. Ill. st. agric. soc., v, 445 (1865), *Ill.* — WALSH-RIL., Amer. ent., i, 100, 166, 235, fig. 120 (1869), *Mo., Ill.* — PACK., Guide ins., 566 (1869), *N. E.* — RIL., Amer. ent., ii, 136, 182, 296 (1870), *Mo., Kans.* — WALSH, *Ibid.*, ii, 369 (1870), *Mo.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 4, pl. 10, fig. 9, pl. 13, fig. 1 (1872). — RIL., Ann. rep. ins. Mo., v, 123, figs. 57, 58 (1873), *Mo.*; *Ibid.*, vi, 169, fig. 55 (1874), *N. E., N. Y.* — PROV., Nat. can., viii, 76, fig. 6 (1876), *Can.* — RIL., Rep. U. S. ent. comm., i, 327 (1878). — ASHM., Bull. div. ent. U. S. dep. agric., xiv, 22 (1887), *Fla.* — JOHNS., Science, xiii, 32 (1889).

See also *Locusta* (Phylloptera) *oblongifolia*.

ovalifolia SAUSS.-PICT., Biol. centr. amer., Orth., 352 (1898), *Mex., Ecuador, Brazil*.

pisifolia BRUNN., Mon. Phaner., 311 (1878), *Mex.*; Verh. zool.-bot. ges. Wien, 1891, 157 (1891). — SAUSS.-PICT., Biol. centr. amer., Orth., 352, pl. 16, figs. 25-27 (1898), *Id.*

retinervis BURM., Handb. ent., ii, 692 (1838), *N. A.*

See also *Locusta* (Phylloptera) *retinervis*.

rotundifolia SCUDD., Bost. journ. nat. hist., vii, 445 (1862), *Mass., Vt., Conn., R. I., Ill.* — SMITH, Rep. Conn. bd. agric., 1872, 357, 380 (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 12 (1872). — SCUDD., Psyche, ii, 189 (1878), *Penn.*

subnotata WALK., Cat. Derm. salt. Brit. mus., iii, 483-484 (1870), *Mex.*

tarasca SAUSS., Rev. mag. zool., 1859, 203 (1859), *Mex.*; Orth. nova amer., i, 7 (1859), *Id.*

tolteca SAUSS., Rev. mag. zool., 1859, 203 (1859), *Mex.*; Orth. nova amer., i, 7 (1859), *Id.*

Phylloptera (Amblycorypha)

oblongifolia CAULF., Can. rec. sc., ii, 396 (1887), *Can.*; Can. Orth., 8-9 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 63, 70 (1888), *Id.*

Phylloptera (Diplophyllus)

pisifolia SAUSS., Rev. mag. zool., 1859, 202 (1859), *Mex.*; Orth. nova amer., i, 6 (1859), *Id.*

Phylloptera (Lobophyllus)

legumen SAUSS., Rev. mag. zool., 1859, 205 (1859), *Amer.*; Orth. nova amer., i, 8 (1859), *Id.*

Phylloptera (Orophus)

huasteca SAUSS., Rev. mag. zool., 1859, 205 (1859), *Mex.*; Orth. nova amer., i, 8 (1859), *Id.*

mexicana SAUSS., Rev. mag. zool., 1859, 204 (1859), *Mex.*; Orth. nova amer., i, 7 (1859), *Id.*

otomaria SAUSS., Rev. mag. zool., 1859, 204 (1859), *Mex.*; Orth. nova amer., i, 7 (1859), *Id.*

rhombifolia SAUSS., Rev. mag. zool., 1859, 204 (1859), *Car.*; Orth. nova amer., i, 8 (1859), *Id.*

salicifolia SAUSS., Rev. mag. zool., 1859, 204 (1859), *Car.*; Orth. nova amer., i, 7 (1859), *Id.*

tessellata SAUSS., Rev. mag. zool., 1861, 129 (1861), *Mex.*; Orth. nova amer., ii, 4 (1861), *Id.*

totonaca SAUSS., Rev. mag. zool., 1859, 204 (1859), *Mex.*; Orth. nova amer., i, 8 (1859), *Id.*

Phylloptera (Petaloptera)

zendala SAUSS., Rev. mag. zool., 1859, 205 (1859), *Mex.*; Orth. nova amer., i, 9 (1859), *Id.*

Phylloscirtus

brunnerianus SAUSS., Miss. scient. Mex., Rech. zool., vi, 368-369, pl. 7, fig. 4 (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 496, pl. 19, figs. 80 : 2, 3 (1878), *Id.*; Mél. orth. ii, 636, pl. 19, figs. 80 : 2, 3 (1878), *Id.*; Biol. centr. amer., Orth., 239 (1897), *Id.*

caeruleus SAUSS., Miss. scient. Mex., Rech. zool., vi, 366-368, pl. 7, figs. 3, 3a (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 498 (1878), *Id.*; Mél. orth., ii, 638 (1878), *Id.*; Biol. centr. amer., Orth., 239 (1897), *Id.*

costatus GIGL.-Tos, Boll. mus. zool. univ. Tor., xii, no. 301, 6 (1897), *Darien.*

elegans GUÉR., Icon. règne anim., Ins., 333 (1820-1838), *Mex.* — GERST., Stett. ent. zeit., xxiv, 427 (1863), *Colombia, Mex.* — WALK., Cat. Derm. salt. Brit. mus., i, 114 (1869), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 368 (1874), *Mex.*; Mém. soc. phys. hist. nat. Gen., xxv, 497 (1878), *Mex., Colombia*; Mél. orth., ii, 637 (1878), *Id.* — BURM., Abhandl. naturf. ges., Halle, xv, 17 (1880), *Id.* — SAUSS., Biol. centr. amer., Orth., 239 (1897), *Id.*
nigrovarius SAUSS., Miss. scient. Mex., Rech. zool., vi, 517 (1879), *Mex.*
pulchellus SAUSS., Miss. scient. Mex., Rech. zool., vi, 368 (1874), *Geo., Md.*; Mém. soc. phys. hist. nat. Gen., xxv, 497 (1878), *South. U. S.*; Mél. Orth., ii, 637 (1878), *Id.* — BURM., Abhandl. naturf. ges. Halle, xv, 16-17, pl. 1, fig. 13 (1880), *N. Y.* — RIL., Stand. nat. hist., ii, 183 (1884), *D. C. and southw.* — MCNEILL, Psyche, vi, 6 (1891), *Ill.* — DAV., Proc. nat. sc. ass. Stat. Isl., Feb. 14, 1891, (1891), *Staten Is.* — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 137-138 (1892), *Ind.*; Ibid., 1892, 118 (1894), *Id.* — GARM., Orth. Ky., 6 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 268, pl. 5, fig. 16 (1894), *N. Y.* — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.*; Proc. nat. sc. ass. Stat. Isl., v, 96-97 (1896), *Id.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SCUDD., Cat. Orth. U. S., 91 (1900), *U. S. e. Miss. Riv. exc. northernm. portions.* — SMITH, Ins. N. J., 164 (1900), *N. J.*

Plagiostira

albonotata SCUDD., Ann. rep. chief eng., 1876, 501 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 281 (1876), *Id.*; Can. ent., xxvi, 182 (1894); Cat. Orth. U. S., 79 (1900), *Id.*

Planes

mexicanus. See *Epilampra* (*Planes*) *mexicana*.

Platamodes

illinoiensis WALSH, Ril., Ins. life, iv, 393 (1892).

pennsylvanica SCUDD., Bost. journ. nat. hist., vii, 417 (1862), *Ind., Md.* — WALSH, Pract. ent., i, 118 (1866), *East. st.* — PACK., Guide ins., 576 (1869), *Atl. st.* — GLOV., Ill. N. A. ent., Orth., pl. i, figs. 1, 3 (1872). — SCUDD., Bull. U. S. geol. surv. terr., ii, 267 (1876), *Kans.* — RIL., Stand. nat. hist., ii, 172 (1884). — COMST., Intr. ent., 93-94 (1888). — DAV., Ent. amer., v, 81 (1889) *Staten Is.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.*

unicolor SCUDD., Bost. journ. nat. hist., vii, 417-418 (1862), *Mass.* — WALSH, Pract. ent., i, 118 (1866), *East. st.* — WALSH-RIL., Amer. ent., i, 166 (1869), *Ill.* — FERN., Ann. rep. Mass. agric. coll., xxv, 137 (1888), *N. E.*; Orth. N. E., 53 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.*

Platybothrus

brunneus SCUDD., Psyche, viii, 239 (1898); Cat. Orth. U. S., 26 (1900), *Nebr. and Col. to Sierra Nev.*

sordidus SCUDD., Cat. Orth. U. S., 26 (1900), *Idaho.*

Platycrana

jamaicensis GRAY, Syn. Phasm., 38 (1835), *Ind. occ.*

See also Phasma (Platycrana) jamaicense.

stollii BURM., Handb. ent., ii, 582 (1838), *Amer.*

venustula SERV., Orth., 242 (1839), *Cuba.* — BURM., Germ., Zeitschr. ent., ii, 38 (1840), *Id.* — GUÉR., Sagra, Hist. nat. Cuba, 351 (1857), *Id.*

viridana SERV., Orth. 241 (1839), *Amér.*

Platydictylus

diversus WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 12-13 (1871), *Nicar.*

litturatus WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 13 (1871), *Nicar.*

sauleyi GUÉR., Icon. règne anim., Ins., 330 (1829-1838), *Martinique*; Sagra, Hist. nat. Cuba, 354 (1857), *Guadeloupe.* — WALK., Cat. Derm. salt. Brit. mus., i, 115 (1869), *Cuba.*

similis WALK., Cat. Derm. salt. Brit. mus., i, 78 (1869), *St. Dom.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

vicinus. *See* Gryllus (Platydictylus) vicinus.

Platylyra

californica SCUDD., Proc. amer. acad. arts sc., xxxiii, 288-289 (1898), *Cal.*; Cat. Orth. U. S., 69 (1900), *Id.*

Platyphyllum

concevum HARR., Ins. inj. veg., 1 ed., 128 (1841, 1842), *Mass., Penn.* — FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — HARR., Ins. inj. veg., 2 ed., 139 (1852), *Mass., Penn.* — EMM., Agric. N. Y., v, 144, pl. 9, fig. 8 (1854), *N. Y.* — JAEG., N. Amer. ins., 1 ed., 150, pl. 5, figs. 23-25 (1854), *N. A.*; Ibid., 2 ed., 105, figs. 23, 24 (1859), *Id.* — HARR., Ins. inj. veg., 3 ed., 158, fig. 74 (1862), *Mass., Penn.* — THOM., Trans. Ill. st. agric. soc., v, 445 (1865), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., ii, 397 (1869), *U. S.* — WALSH-RIL., Amer. ent., i, 100 (1869), *Ill.* — RIL., Ann. rep. ins. Mo., vi, 167, fig. 52-54 (1874), *Mo.* — SAUND., Can. ent., xix, 29 (1887), *Ont.* — CAULF., Rep. ent. soc. Ont., xviii, 63-64, 70 (1888), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.*

coriaceum SERV., Orth., 446 (1839), *Martinique*. — BLANCH., Hist. nat. ins., iii, 22 (1840), *Id.* — WALK., Cat. Derm. salt. Brit. mus., ii, 397 (1869), *Id.*

luridum BRUNN., Mon. Pseudoph., 142 (1895), *Surinam, Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 412 (1898), *Id.*

perspicillatum SERV., Orth., 445 (1839), *Mex.* — UHL., Harr., Ins. inf. veg., 3 ed., 158 (1862), *N. E.* — RATHV., Rep. U. S. dep. agric., 1862, 381-382, pl., figs. 19, 20 (1862), *Penn.* — WALK., Cat. Derm. salt. Brit. mus., ii, 397 (1869), *Tex., Mex., Para.*

scabricolle WALK., Cat. Derm. salt. Brit. mus., ii, 397 (1869), *Martinique*.

toltecum BRUNN., Mon. Pseudoph., 142 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 412, pl. 20, figs. 33-35 (1898), *Id.*

tuberosum STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 40 (1875), *Chiriqui*.

zimmermanni SAUSS., Rev. mag. zool., 1859, 206 (1859), *S. C.*; Orth. nova amer., i, 9 (1859), *Id.*

Platyphyllum (Cyrtophyllus)

concavum RIL., Ann. rep. ins. Mo., v, 123, fig. 59 (1873), *Mo.*

Platyphyma

aztecum SAUSS., Rev. mag. zool., 1861, 161 (1861), *Mex.*; Orth. nova amer., ii, 12 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 716 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 223 (1873), *Id.*

mexicanum BRUNN., Verh. zool.-bot. ges. Wien, 1861, 224 (1861), *Orizaba*; Orth. stud., 4 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 71 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 224 (1873), *Id.*

montanum THOM., Rep. U. S. geol. surv. terr., v, 155 (1873), *Mont.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 11 (1874). — SCUDD., Appal., i, 263 (1878), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 58 (1888), *Mont.*

Platythorus

camurus MORSE, Biol. centr. amer., Orth., ii, 8, fig. (1900), *Nicar.*

Platyzosteria

finschiana. See Polyzosteria (Platyzosteria) finschiana.

ingens SCUDD., Proc. Bost. soc. nat. hist., xix, 92-93 (1877), *Fla., Cuba*; Ent. notes, vi, 33-34 (1878), *Id.*

litrata. See Polyzosteria (Platyzosteria) litrata.

mexicana. See Polyzosteria (Platyzosteria) mexicana.

opaca SCUDD., Proc. Bost. soc. nat. hist., xix, 93 (1877), *Cuba*; Ent. notes, vi, 34 (1878), *Id.*

See also Polyzosteria (Platyzosteria) opaca.

rufovittata. See Polyzosteria (Platyzosteria) rufovittata.

sabaliana SCUDD., Proc. Bost. soc. nat. hist., xix, 93 (1877), *Fla.*; Ent. notes, vi, 34 (1878), *Id.*

Plectoptera

circumcincta SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 85 (1893), *Mex.*

circumdata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 86, pl. 3, fig. 10, pl. 4, fig. 17 (1893), *Guat.*

krugi SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 85 (1893), *Cuba.*

micans BOL., Mém. soc. zool. France, i, 129-130 (1888), *Cuba*; Orth. Cuba, 14-15 (1888), *Id.* — GUNDL., Ent. cub., ii, 311 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 85 (1893), *Id.*

picta SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 85, pl. 3, fig. 9 (1893), *Mex.*

poeyi SAUSS., Orth. Amér. moy., 177 (1864), *Cuba.* — WALK., Cat. Blatt. Brit. mus., 56 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 96 (1870), *Id.* — BOL., Mém. soc. zool. France, i, 129-130 (1888), *Id.*; Orth. Cuba, 14-15 (1888), *Id.* — GUNDL., Ent. cub., ii, 312 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 84 (1893), *Id.*

porcellana SAUSS., Orth. Amér. moy., 176, figs. (1864), *Cuba.* — WALK., Cat. Blatt. Brit. mus., 56 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 96, pl. 2, fig. 50 (1870), *Id.* — SCUDD., Amer. nat., x, 523, fig. 31 (1876), *Id.* — BOL., Mém. soc. zool. France, i, 129-130 (1888), *Id.*; Orth. Cuba, 14-15 (1888), *Id.* — GUNDL., Ent. cub., ii, 312 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 85-86 (1893), *Id.*

pulicaria SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 86, pl. 3, fig. 8 (1893), *Pan.*

unicolor SAUSS.-ZEHNTN., Biol. centr. amer., Orth. 84 (1893), *Cuba.*

Plectronotus

scaber MORSE, Biol. centr. amer., Orth., ii, 14, figs. (1900), *Costa Rica.*

Plectrophorus

gregarius MCNEILL, Proc. Davenp. acad. nat. sc., vi, 252, 253 (1897), *St. Thom., Haiti.*

viatorius MCNEILL, Proc. Davenp. acad. nat. sc., vi, 252, 253, pl. 4, figs. 21, 21a-c (1897), *Mex.*

Plectrotettix

patriae SCUDD., Cat. Orth. U. S., 27, 95-96, pl. 3, fig. 2 (1900), *Cala.*

viatorius REHN, Trans. amer. ent. soc., xvii, 95 (1900), *Mex.*

Pleminia

repanda STÅL, Rec. Orth., ii, 78 (1874), *Mex.*

Pnigodes

megacephala MCNEILL, Proc. Davenp. acad. nat. sc., vi, 267, pl. 6, figs. 28, 28ab (1897), *Cala.*

Podisma

ascensor SCUDD., Rev. Mel., 98, 107-108, pl. 7, fig. 8 (1897), *Utah*; Cat. Orth. U. S., 52 (1900), *Id.*

borckii WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Cala.*

See also Acridium (Podisma) boreckii.

dodgei SCUDD., Rep. ent. soc. Ont., xxvi, 63, 66 (1896), *Col., Wyo., Mont.*; Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 98, 105-107, pl. 7, fig. 7 (1897), *Col., Wyo., Utah, Mont.*; Appal., viii, 312 (1898), *Id.*; Alp. Orth. N. A., 14 (1898), *Id.*; Cat. Orth. U. S., 52 (1900), *Col. to Mont.*

edax WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Car.*

glacialis WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 72 (1871), *N. H.* — SCUDD., Rep. ent. soc. Ont., xxvi, 63 (1896), *Ont.*; Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 97, 98-100, pl. 7, fig. 3 (1897), *Me., N. H., Mass., N. Y., Ont.*; Appal., viii, 310-311 (1898), *Id., Penn.*; Alp. Orth. N. A., 12-13 (1898), *Id.* — MORSE, Psyche, viii, 255, 272-274 (1898), *N. E.*; Ibid., viii, 317, 320 (1899), *Id.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 158 (1899); Cat. Orth. U. S., 52 (1900), *North. N. E., N. Y., Ont.*; Psyche, ix, 102 (1900), *N. E.*

longicornis WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Cgr.*

manca WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 72 (1871), *Me.*

marshalli SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 108-109, pl. 7, fig. 9 (1897), *Col.*; Appal., viii, 312-313 (1898), *Id.*; Alp. Orth. N. A., 14-15 (1898), *Id.*; Cat. Orth. U. S., 52 (1900), *Id.*

mexicana WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Mex.*

nubicola SCUDD., Rev. Mel., 98, 102-104, pl. 7, fig. 5 (1897), *Col.*; Appal., viii, 311, pl. 42, figs. 2, 3 (1898), *Id.*; Alp. Orth. N. A., 13, pl. 42, figs. 2, 3 (1898), *Id.*; Cat. Orth. U. S., 52 (1900), *Id.*

oregonensis SCUDD., Rep. ent. soc. Ont., xxvi, 63 (1896), *Alberta*; Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 98, 110-111; pl. 7, fig. 10 (1897), *Idaho, Mont., Alberta*; Appal., viii, 313 (1898), *Id.*; Alp. Orth. N. A., 15 (1898), *Id.*; Cat. Orth. U. S., 52 (1900), *Or., Idaho, Mont., Alb.*

polita SCUDD., Proc. Davenp. acad. nat. sc., vii, 157-160, pl. 7, figs. 1, 2 (1899), *Or.*; Cat. Orth. U. S., 52 (1900), *Id.*

scudderi WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Md., Ill.*

septentrionalis WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Labr.*; Can. ent., iv, 30 (1872), *Id.*

stupefacta SCUDD., Proc. amer. acad. arts sc., xxxii, 205 (1897), *U. S.*; Rev. Mel., 98, 104-105, pl. 7, fig. 6 (1897), *N. Mex.*, *Col.*; Appal., viii, 312, pl. 42, figs. 6, 7 (1898), *Id.*; Alp. Orth. N. A., 14, pl. 42, figs. 6, 7 (1898), *Id.*; Cat. Orth. U. S., 52 (1900), *Id.*

sumichrasti WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Mex.*

variegata SCUDD., Rev. Mel., 97, 101-102, pl. 7, fig. 4 (1897), *N. Y.*, *Can.* — MORSE, Psyche, viii, 255 (1898), *N. Y.* — WALK., Can. ent., xxxi, 29-30 (1899), *Ont.* — SCUDD., Proc. Davenp. acad. nat. sc., vii, 158 (1899); Cat. Orth. U. S., 52 (1900), *N. Y.*, *Ont.* — REHN, Ent. news, xi, 630-631 (1900), *N. Y.*, *Ont.*, *Penn.*

zimmermanni WALK., Cat. Derm. salt. Brit. mus., iv, 718 (1870), *Car.*

Podoscirtus

couloni SAUSS., Miss. scient. Mex., Rech. zool., vi, 504-505 (1874), *Cuba.* — BOL., Mém. soc. zool. France, i, 164 (1888), *Id.*; Orth. Cuba, 49 (1888), *Id.* — GUNDL., [caul-] Ent. cub., ii, 383 (1891), *Id.*

modestus BRUNN., Proc. zool. soc. Lond., 1893, 610 (1893), *Grenada.*

Poecilotettix

coccinatus SCUDD., Rev. Mel., 386, 389-390, pl. 26, fig. 3 (1897), *Cala.*; Cat. Orth. U. S., 66 (1900), *Id.*

pantherinus SCUDD., Cat. Orth. U. S., 66 (1900), *Ariz.*

picticornis SCUDD., Proc. amer. acad. arts sc., xxxii, 206 (1897), *Pac. coast*; Rev. Mel., 386-387, pl. 26, fig. 1 (1897), *Ariz.*, *Mex.*

sanguineus SCUDD., Rev. Mel., 386, 387-389, pl. 26, fig. 2 (1897), *Ariz.*; Cat. Orth. U. S., 66 (1900), *Id.*

Poepedetes

corallinus SAUSS., Rev. mag. zool., 1861, 158 (1861), *Mex.*; Orth. nova amer., ii, 8 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 654 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 221 (1873), *Id.* — SCUDD., Rev. Mel., 405 (1897).

Polyancistrus

serrulatus SERV., Ann. sc. nat., xxii, 154 (1831), *St. Dom.*; Orth., 535 (1839), *Id.* — BLANCH., Hist. nat. ins., iii, 22 (1840), *Id.* — CHARP., Orth. descr., pl. 50 (1845), *Id.* — GUÉR., Sagra, Hist. nat. Cuba, 355 (1857), *Cuba*, *St. Dom.* — WALK., Cat. Derm. salt. Brit. mus., iii, 433 (1870), *St. Dom.* — BOL., Mém. soc. zool. France, i, 148-149 (1888), *Cuba*, *St. Dom.*; Orth. Cuba, 33-34 (1888), *Id.* — GUNDL., Ent. cub., ii, 354 (1890), *Cuba.* — BRUNN., Mon. Pseudoph., 233, pl. 9, fig. 101 (1895), *St. Dom.*, *Porto Rico.*

See also *Locusta* (*Polyancistrus*) *serrulata*.

Polyphaga

aegyptiaca. See *Blatta* (Polyphaga) *aegyptiaca*.

aequalis WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 3-4, (1871), *Mex.*

mexicana WALK., Cat. Blatt. Brit. mus., 15 (1868), *Mex.*

Polyphaga (Homoeogamia)

mexicana SAUSS., Orth. Amér. moy., 226, pl. 2, figs. 36, 37 (1864), *Mex.*

— GIR., Traité ent., ii, 62 (1879), *Id.*

Polyzosteria

azteca SAUSS., Rev. mag. zool., 1862, 163 (1862), *Mex.*; Orth. nova amer., iii, 2 (1862), *Id.*; Orth. Amér. moy., 55 (1864), *Id.* — WALK., Cat. Blatt. Brit. mus., 152 (1868), *Id.*

cabreræ BOL., Anal. soc. esp. hist. nat., x, 355-356 (1881), *Cuba*; Notas ent., 5-6 (1881), *Id.*; Mém. soc. zool. France, i, 125 (1888), *Id.*; Orth. Cuba, 10 (1888), *Id.* — GUNDL., Ent. cub., ii, 305-306 (1890), *Id.*

caraibea BOL., Mém. soc. zool. France, i, 126 (1888), *Cuba*; Orth. Cuba, 11 (1888), *Id.* — GUNDL., Ent. cub., ii, 306 (1890), *Id.*

dimidiata BOL., Mém. soc. zool. France, i, 125-126 (1888), *Cuba*; Orth. Cuba, 10-11 (1888), *Id.* — GUNDL., Ent. cub., ii, 306 (1890), *Id.*

ingens SCUDD., Psyche, ii, 154 (1878), *Fla.* — BOL., Mém. soc. zool. France, i, 125 (1888), *Cuba, Fla.*; Orth. Cuba, 10 (1888), *Id.* — GUNDL., Ent. cub., ii, 305 (1890), *Id.*

mexicana SAUSS., Rev. mag. zool., 1862, 163 (1862), *Mex.*; Orth. nova amer., iii, 1 (1862), *Id.*; Orth. Amér. moy., 54 (1864), *Id.* — WALK., Cat. Derm. salt. Brit. mus., 152 (1868), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 70-71, pl. 2, figs. 39, 39a (1870), *Id.*

mysteca SAUSS., Miss. scient. Mex., Rech. zool., vi, 71, pl. 2, fig. 40 (1870), *Mex.*

opaca WALK., Cat. Derm. salt. Brit. mus., i, 155 (1869), *Cuba*. — BOL., Mém. soc. zool. France, i, 125 (1888), *Id.*; Orth. Cuba, 10 (1888), *Id.* — GUNDL., Ent. cub., ii, 304-305 (1890), *Id.*

panesthoides WALK., Cat. Blatt. Brit. mus., 164 (1868), *Jam.*

rufovittata WALK., Cat. Derm. salt. Brit. mus., i, 155 (1869), *Mex.*

Polyzosteria (Platyzosteria)

finschiana SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 111 (1872), *Cuba*; Mém. orth., ii, 111-112 (1872), *Id.*

litturata SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 108-109, pl. 10, figs. 36, 36a (1872), *Geo.*; Mém. orth., ii, 108-109, pl. 10, figs. 36, 36a (1872), *Id.*

- * **mexicana** BRUNN., Blatt., 216 (1865), *Mex.*
opaca BRUNN., Blatt., 216 (1865), *Cuba.*
rufovittata BRUNN., Blatt., 215 (1865), *Mex.*

Posidippus

validus SAUSS.-PICT., Biol. centr. amer., Orth., 373, pl. 18, figs. 10, 11 (1898), *Nicar.* — BROLL., Inf. mus. nac. Costa Rica, 1899-1900, 52 (1900), *Costa Rica.*

Prisopus

berosus WESTW., Cat. Phasm., 168, pl. 20, fig. 7 (1859), *Litt. occ. Amer. sept., Pan.*

mexicanus SAUSS., Rev. mag. zool., 1859, 317 (1859), *Mex.*; Orth. nova amer., i, 16 (1859), *Id.*; Miss. scient. Mex., Rech. zool., vi, 200-201 (1872), *Id.*

Pristes

tuberosus BRUNN., Mon. Pseudoph., 135, pl. 6, fig. 60 (1895), *Pan., Amazons.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 16 (1896), *Darien.* — SAUSS.-PICT., Biol. centr. amer., Orth., 411-412 (1898), *Nicar., Costa Rica, Pan., Colomb.*

Proscratea

conspersa WALK., Cat. Blatt. Brit. mus., 43 (1868), *Cuba, Brazil.*
illepida WALK., Cat. Blatt. Brit. mus., 185-186 (1868), *St. Dom.*

Proscratea (Tribonium)

conspersa SAUSS., Rev. mag. zool., 1862, 232 (1862), *Cuba*; Orth. nova amer., iii, 15 (1862), *Id.*; Orth. Amér. moy., 208 (1864), *Cuba, Brazil.*

Prosphena

scudderi BOL., Mon. Pterom., 101 (1834), *Guat.* — KARSCH, Ent. nachr., xiv, 343 (1888), *Id.*

Prosthacusta

circumcincta SCUDD., [Proth-] Journ. N. Y. ent. soc., iv, 99 (1896), *Mex.*; [Proth-] Proc. Bost. soc. nat. hist., xxvii, 215, 218 (1896).

mexicana SAUSS., Miss. scient. Mex., Rech. zool., vi, 437-438 (1874), *Mex.*; Mél. orth., ii, 545 (1878), *Id.*; Biol. centr. amer., Orth., 241-242, pl. 12, fig. 1 (1897), *Id.*

Prothacusta

circumcincta. See *Prosthacusta circumcincta*.

Psalidophora

bipunctata DOHRN, Stett. ent. zeit., xxv, 419 (1864), *Mass.* — GIR., *Traité ent.*, ii, 18 (1879), *Id.*

brunneipennis SERV., *Orth.*, 30 (1839), *N. A., Penn.* — BURM., *Germ., Zeitschr. ent.*, ii, 80 (1840), *N. A.* — DOHRN, *Stett. ent. zeit.*, xxv, 418 (1864), *N. A., Penn.* — GIR., *Traité ent.*, ii, 18 (1879), *Id.*

croceipennis GIR., *Traité ent.*, ii, 18, pl. 61, fig. 1 (1879), *Guiana, Brazil, Centr. Amer., Guadeloupe.*

lherminieri SERV., *Orth.*, 29 (1839), *Guadeloupe, Brazil.*

parallela DOHRN, *Stett. ent. zeit.*, xxiii, 227, pl. 1, fig. 3 (1862), *Mex.*; *Ibid.*, xxv, 418 (1864), *Id.*

Psalis

americana SERV., *Ann. sc. nat.*, xxii, 35 (1831), *St. Dom.* — SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 250, 251 (1876), *St. Dom., Centr. Amer.*; *Proc. Bost. soc. nat. hist.*, xviii, 327 (1876), *W. I., Centr. Amer., north. S. A.*; *Ent. notes*, v, 67 (1876), *Id.* — BOL., *Mém. soc. zool. France*, i, 119 (1888), *Cuba*; *Orth. Cuba*, 4 (1888), *Id.* — GUNDEL., *Ent. cub.*, ii, 293-294 (1890), *Id.* — BORM., *Biol. centr. amer., Orth.*, 4 (1893), *Nicar., Costa Rica, Colombia, Venez., Antill.* — BRUNN., *Proc. zool. soc. Lond.*, 1893, 601 (1893), *Grenada, St. Dom.* — BORM., *Schultze, Tierreich*, xi, 37 (1900), *Centr. Amer., S. A., Antill.*

gagatina SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 250 (1876), *Porto Rico*; *Proc. Bost. nat. hist.*, xviii, 327 (1876), *Id.*; *Ent. notes*, v, 67 (1876), *Id.* — BORM., *Biol. centr. amer., Orth.*, 4, pl. 1, figs. 5, 6 (1893), *Pan., Antill.*; *Schultze, Tierreich*, xi, 37-38 (1900), *Id.*

procera SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 250, 251 (1876), *W. I., Centr. Amer., north. S. A.*; *Proc. Bost. soc. nat. hist.*, xviii, 327 (1876), *Id.*; *Ent. notes*, v, 67 (1876), *Id.*

thoracica BORM., *Biol. centr. amer., Orth.*, 4, pl. 1, fig. 7 (1893), *Pan., Guiana*; *Schultze, Tierreich*, xi, 39 (1900), *Id.*

Pseudacanthops

caelebs SAUSS., *Mant. amér.*, 148-149, pl. 1, figs. 17, 17a (1871), *Mex.*; *Miss. scient. Mex., Rech. zool.*, vi, 279-280 (1872), *Id.* — WESTW., *Rev. Mant.*, 24 (1889), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer., Orth.*, 182 (1894), *Id.*

Pseudancistrus

gundlachi BOL., *Artr. viaje Pac., Neur. y Ort.*, 82 (1884), *Cuba*; *Mém.*

*soc. zool. France, i, 149 (1888), *Id.*; Orth. Cuba, 34 (1888), *Id.* — GUNDEL, Ent. cub., ii, 354–356 (1890), *Id.* — BRUNN., Mon. Pseudoph., 233 (1895), *Id.*

Pseudectobia

* See Theganopteryx (Pseudectobia).

Pseudischnoptera

lineata SAUSS., Miss. scient. Mex., Rech. zool., vi, 67–68 (1870), *Antill., Cayenne.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 34 (1893), *S. A., Antill.*

Pseudobacteria

antillarum KIRBY., Ann. mag. nat. hist., (6), iii, 501 (1889), *Dominica.*

See also Bacteria (Pseudobacteria) antillarum.

cornuta. See Bacteria (Pseudobacteria) cornuta.

cubensis. See Bacteria (Pseudobacteria) cubensis.

longiceps KIRBY., Ann. mag. nat. hist. (6), iii, 503 (1889), *Santa Lucia.*

spinigera. See Bacteria (Pseudobacteria) cornuta.

yersiniana. See Bacteria (Pseudobacteria) yersiniana.

Pseudomiopteryx

infusata SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 163–164, pl. 9, figs. 10–12 (1894), *Mex., Guat., Nicar., Pan.*

Pseudomops

cincta WALK., Cat. Blatt. Brit. mus., 78 (1868), *Mex.*; Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 31 (1871), *Id.*

gueriniana WALK., Cat. Blatt. Brit. mus., 78 (1868), *Mex.*

mexicana WALK., Cat. Blatt. Brit. mus., 77 (1868), *Orizaba.*

oblongata WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 31 (1871), *Mex.*

sallei WALK., Cat. Blatt. Brit. mus., 77 (1868), *Orizaba.*

tolteca WALK., Cat. Blatt. Brit. mus., 78 (1868), *Mex.*; Cat. Derm. salt. Brit. mus., i, 135 (1869).

Pseudophyllanax

insularis WALK., Cat. Derm. salt. Brit. mus., ii, 398–399 (1869), *Isle of Pines.*

Pseudophyllodromia

albinervis BRUNN., Proc. zool. soc. Lond., 1893, 602 (1893), *Grenada.*

angustata SAUSS., Miss. scient. Mex., Rech. zool., vi, 44-45 (1870),
Surinam, Mex. — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 59 (1895),
Nicar.

histrio THER., Berl. ent. zeitschr., xlv, 253-254 (1900), *Columbia, Centr. Amer., Mex.*

maximiliani SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 100-101,
 pl. 10, fig. 35 (1872), *Mex.*; Mél. orth., ii, 100-101, pl. 10, fig. 35 (1872), *Id.*
 — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 47 (1893), *Id.*

semivitrea BRUNN., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 203, pl.
 15, figs. 2ab (1892), *St. Vinc.*

venosa SAUSS., Mém. soc. phys. hist. nat. Gen., xx, 249 (1869), *Mex.*; Mél.
 orth., i, 69 (1869), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 47, pl. 3,
 fig. 30 (1893), *Id.*

Pseudopomala

aptera McNEILL, Proc. Davenp. acad. nat. sc., vi, 209 (1897), *Penn.* —
 SCUDD., Cat. Orth. U. S., 46 (1900), *Id.*

brachyptera MORSE, Psyche, vii, 325, 343-344, 382, pl. 7, figs. 6, 6ab
 (1896), *N. E.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 209-210, pl. 1,
 figs. 4, 4ab (1897), *North. U. S. e. of Sierras.* — BALL, Proc. Iowa acad. sc.,
 iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 127 (1897),
Nebr. — LUGG., Orth. Minn., 116-117, fig. 67 (1898), *Minn.* — MORSE, Psyche,
 viii, 319, 320 (1899), *N. E.* — SCUDD., Cat. Orth. U. S., 46 (1900), *North. U.*
S. e. Rocky Mts.; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 155
 (1900), *N. J.*

Pseudostauronotus

brunneri GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897),
Darien.

Pseudovates

aztecus STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 74 (1877), *Mex.*

chlorophaea WESTW., Rev. Mant., 24 (1889), *U. S.*

cingulata WESTW., Rev. Mant., 24-25 (1889), *Jam., Surinam, Brazil.*

longicollis STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 74 (1877), *Mex.* —
 WESTW., Rev. Mant., 24 (1889), *Id.*

pectinata WESTW., Rev. Mant., 25 (1889), *Mex.*

pectinicornis WESTW., Rev. Mant., 25 (1889), *Chiriqui.*

tolteca SAUSS., Mitth. schweiz. ent. ges., iii, 60 (1869), *Mex.* — WESTW.,
 Rev. Mant., 25, pl. 1, fig. 11 (1890), *Id.*

Psinidia

capito STÅL, Rec. Orth., i, 133-134 (1873), *Tex.*

eucerata UHL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Col.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 90 (1877), *Fla.*; Ent. notes, vi, 31 (1878), *Id.*; Psyche, ii, 154 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SMITH, Cat. Ins. N. J., 414 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890); *Ibid.*, xc, 34 (1892), *N. J.*, *Cape Cod.* — BRUN., Science, xxi, 133 (1893).

See also *Psinidia fenestralis eucerata*.

fenestralis STÅL, Rec. Orth., i, 133 (1873), *N. J.*, *S. C.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 885 (1875), *West. U. S.* — SAUSS., Prodr. Oedip., 161-162 (1884), *U. S. e. of Miss. Can.* — BOL., Mém. soc. zool. France, i, 143 (1888), *Cuba*; Orth. *Cuba*, 28 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 128-129 (1888), *N. E.*; Orth. *N. E.*, 44-45 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — GUNDEL., Ent. cub., ii, 340 (1890), *Cuba.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.* — MCNEILL, Psyche, vi, 64 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.* — MORSE, Psyche, vii, 165 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 303, pl. 8, fig. 3 (1894), *Long Is.*, *Staten Is.*, *N. J.*, *Conn.* — MORSE, Psyche, viii, 7, 37, 111-112, pl. 2, fig. 28 (1897), *N. E.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 56-57, 64 (1898), *Ind.* — LUGG., Orth. Minn., 166-168, fig. 100 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 40 (1900), *U. S. and Can. e. Miss. Riv.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.* — SCUDD., Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

fenestralis eucerata MORSE, Psyche, vii, 105 (1894), *N. E.*

fuscifrons STÅL, Rec. Orth., i, 134 (1873), *Tex.*

kiowa THOM., Rep. U. S. geol. surv. w. 100 mer., v, 885 (1875), *West. U. S.*

marmorata DAV., Ent. amer., v, 81 (1889), *Staten Is.*

plattei BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.*

sulcifrons SCUDD., Ann. rep. chief eng., 1876, 513 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 293 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*; Can. ent., xvii, 12 (1885), *Wash.*

wallula SCUDD., Rep. U. S. ent. comm., ii, App., 27-28, pl. 17, figs. 13, 14 (1881), *Nev.*, *Cala.*, *Or.*, *Wash.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Wash.*; Bull. div. ent. U. S. dep. agric., iv, 59 (1884), *Mont.*; Can. ent., xvii, 12 (1885), *Wash.*

Psinidia (Trachyrachis)

borealis SAUSS., Prodr. Oedip., 164 (1884), *Col.*

capito SAUSS., Prodr. Oedip., 163 (1884), *Tex.*

fuscifrons SAUSS., Prodr. Oedip., 163 (1884), *Tex.*

kiowa SAUSS., Prodr. Oedip., 164 (1884), *Nebr.*, *Col.*

maculosa SAUSS., Prodr. Oedip., 162-163 (1884), *Alberta*.

mexicana SAUSS., Prodr. Oedip., 164 (1884), *Mex.*

pardalina SAUSS., Prodr. Oedip., 162 (1884), *Col.*

Psoloessa

buddiana BRUN., Proc. U. S. nat. mus., xii, 61-62, pl. 1, fig. 6 (1890), *Tex.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 274 (1897), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 52 (1899); Cat. Orth. U. S., 27 (1900), *Id.*

coloradensis THOM., Proc. Davenp. acad. nat. sc., i, 252, pl. 36, figs. 3, 4 (1876), *Col.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Id.*

eurotiae BRUN., Proc. U. S. nat. mus., xii, 62-63 (1890), *Col.*

ferruginea SCUDD., Proc. Bost. soc. nat. hist., xvii, 513 (1875), *Tex.*; Ent. notes, iv, 87 (1875), *Id.*; Cent. Orth., 25 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 273, 274, pl. 6, figs. 31ab (1897), *Tex.*, *Ariz.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 27 (1900), *Nebr.*, *Tex.*, *Ariz.*

maculipennis SCUDD., Proc. Bost. soc. nat. hist., xvii, 513-514 (1875), *Tex.*; Ent. notes, iv, 87-88 (1875), *Id.*; Ann. rep. chief eng., 1876, 508 (1876), *Col.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 288 (1876), *Id.*; Cent. Orth., 25-26 (1879), *Tex.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Tex.*, *Col.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 273-274, pl. 6, fig. 31 (1897), *Tex. to Cala.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 27 (1900), *Tex. to Cala. and Nebr.*; Psyche, ix, 95 (1900), *Tex.*

texana SCUDD., Proc. Bost. soc. nat. hist., xvii, 512-513 (1875), *Tex.*; Ent. notes, iv, 86-87 (1875), *Id.*; Cent. Orth., 24-25 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*; COQ., Rep. U. S. ent., 1885, 297 (1886), *Cala.* — RIL., N. A. fauna, vii, 252 (1893), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxv, 52 (1899); Cat. Orth. U. S., 27 (1900), *Tex.*, *Cala.*

Pterinoxylus

crassus KIRB., Ann. mag. nat. hist., (6), iii, 502-502 (1889), *Dominica*.

Pterolepis

haldemanii THOM., Ann. rep. U. S. geol. surv. terr., v, 441 (1872), *Col.*, *Wyo.*

minutus THOM., Ann. rep. U. S. geol. surv. terr., v, 441-442 (1872), *East of Rocky Mts.* — GLOV., Ill. N. A. ent.; Orth., pl. 11, fig. 17 (1872).

pachymerus BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa*.

stevensoni THOM., Ann. rep. U. S. geol. surv. terr., v, 441 (1872), *East of Rocky Mts.*

Pterophyllum

agile. See *Gryllus* (*Pterophyllum*) *agilis*.

concavum HARR., *Encycl. amer.*, viii, 42 (1835), *Amer.*—GOSSE, *Lett. Alab.*, 182 (1859), *Ala.*

See also *Gryllus* (*Pterophyllum*) *concavus*.

curvicauda. See *Gryllus* (*Pterophyllum*) *curvicauda*.

fasciatum. See *Gryllus* (*Pterophyllum*) *fasciatus*.

oblongifolium. See *Gryllus* (*Pterophyllum*) *oblongifolius*.

Pycnodictya

wheeleri BRUN., *Bull. Washb. coll.*, i, 133 (1885), *Col.*

Pycnoscelus

obscurus SCUDD., *Bost. journ. nat. hist.*, vii, 422-423 (1862), *Mass.*—FOGG, *Proc. Manch. inst. arts sc.*, i, 42 (1900), *N. II.*

surinamensis COCK., *Journ. inst. Jam.*, i, 311 (1893), *Barbados.*—SCUDD., *Cat. Orth. U. S.*, 10 (1900), *Gulf and s. Atl. st.*; *Psyche*, ix, 100 (1900), *N. E.*

Pygidicrana

saussurei DOHRN, *Stett. ent. zeit.*, xxiii, 225, pl. 1, fig. 2 (1862), *Mex.*; *Ibid.*, xxiv, 63 (1863), *Id.*

Pygirhynchus

guerinii SAUSS., *Rev. mag. zool.*, (2), xx, 64 (1868), *Guadeloupe*; *Miss. scient. Mex.*, *Rech. zool.*, vi, 169-170, pl. 3, figs. 13, 13a (1872), *Id.*

thomae SAUSS., *Rev. mag. zool.*, (2), xx, 64 (1868), *St. Thom.*; *Miss. scient. Mex.*, *Rech. zool.*, vi, 170-171 (1872), *Id.*

Pyragra

chontalia BORM., *Biol. centr. amer., Orth.*, 4 (1893), *Guat.*—SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 204, 217 (1896).—BORM., *Schultze, Tierreich*, xi, 25 (1900), *Id.*

saussurei BORM., *Biol. centr. amer., Orth.*, 3 (1893), *Mex.*, *Brit. Hond.*, *Guat.*, *Costa Rica.*—BURR, *Ann. mag. nat. hist.*, (7), iv, 253 (1899), *Ecuador*, *Mex.*, *Brit. Hond.*, *Costa Rica.*—BORM., *Schultze, Tierreich*, xi, 24-25 (1900), *Mex.*, *Brit. Hond.*, *Guat.*, *Costa Rica*, *French Guiana.*

Pyrgocorypha

hamata REDT., *Verh. zool.-bot. ges. Wien*, 1891, 373-374, pl. 3, fig. 21 (1891), *Mex. Guat.*, *San Salvador.*—SCUDD., *Proc. Bost. soc. nat. hist.*,

xxvii, 211, 218 (1896). — SAUSS.-PICT., Biol. centr. amer., Orth., 386, 387 (1898), *Id.* — GRIFF., Tent. cat. Conoceph., 5 (1899), *Guat.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica*.

inermis SAUSS.-PICT., Biol. centr. amer., Orth., 386, 387-388, pl. 19, fig. 17 (1898), *Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Id.*

rogersi SAUSS.-PICT., Biol. centr. amer., Orth., 386, 387, pl. 19, figs. 13, 14 (1898), *Costa Rica*. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Id.*

sallei REDT., Verh. zool.-bot. ges. Wien, 1891, 372-373 (1891), *Mex., S. Africa*. — SAUSS.-PICT., Biol. centr. amer., Orth., 386, pl. 19, figs. 15, 16 (1898), *Mex.*

uncinata REDT., Verh. zool.-bot. ges. Wien, 1891, 373 (1891), *N. A., Guat., Tex., Cuba, Mex., N. C., Ala.* — SAUSS.-PICT., Biol. centr. amer., Orth., 386, 387 (1898), *N. C., La., Ala., Tex., Mex., Guat., Cuba*. — SCUDD., Cat. Orth. U. S., 71 (1900), *N. C. to Tex.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 53 (1900), *Costa Rica*.

Pyrgomorpha

brevicornis WALK., Cat. Derrn. salt. Brit. mus., iii, 500 (1870), *Hond., U. S.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 14 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 67 (1873); Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 64 (1874), *Tex., Ill.* — GIR., Traité ent., ii, 218 (1879), *U. S.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *South. U. S.*

dispar BOL., Mon. Pirgom., 79-80 (1884), *Mex.*

punctipennis THOM., Rep. U. S. geol. surv. terr., v, 68, pl., fig. 10 (1873), *Tenn.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 2 (1874). — GIR., Traité ent., ii, 219 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*

Radinotatum

brevipenne. See Rhadinotatum brevipenne.

Rhabdotettix

concinus SCUDD., Rev. Mel., 33-34, pl. 3, fig. 2 (1897), *Tex.*; Cat. Orth. U. S., 48 (1900), *Id.*

palmeri SCUDD., Rev. Mel., 33, 34-35, pl. 3, fig. 3 (1897), *Mex.*

pilosus SCUDD., Proc. amer. acad. arts sc., xxxii, 204 (1897); Rev. Mel., 33, 35-36 (1897), *Mex.*

Rhadinotatum

brevipenne McNEILL, [Rad-] Proc. Davenp. acad. nat. sc., vi, 200-201, pl. 1, figs. 1, 1a, 1a [bis] (1897), *Fla.* — SCUDD., Cat. Orth. U. S., 19 (1900), *Id.*

, **Rhammatocerus**

See *Stenobothrus* (*Rhammatocerus*).

Rhaphidophora

agassizii SCUDD., Proc. Bost. soc. nat. hist., viii, 11-12 (1861), *Wash.*; Gen. Rhaph., 6-7 (1861), *Id.*

annulipes. See *Locusta* (*Rhaphidophora*) *annulipes*.

cavernarum SAUSS., Ann. soc. ent. France, (4), i, 492 (1861), *Mammoth Cave*.

cubensis. See *Locusta* (*Rhaphidophora*) *cubensis*.

gracilipes SCUDD., Proc. Bost. soc. nat. hist., viii, 7 (1861), *Penn.*; Gen. Rhaph., 2 (1861), *Id.*

lapidicola SCUDD., Proc. Bost. soc. nat. hist., viii, 7 (1861), *U. S.*; Gen. Rhaph., 2 (1861), *Id.*

See also *Locusta* (*Rhaphidophora*) *lapidicola*.

maculata HARR., Ins. inj. veg., 1 ed., 126 (1841, 1842), *Mass.* — FITCH, Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — PACK., Rep. nat. hist. Me., 1861, 375 (1861), *Me.* — THOM., Trans. Ill. st. agric. soc., v, 444 (1865), *Ill.*

scabripes SCUDD., Proc. Bost. soc. nat. hist., viii, 7 (1861), *Ala.*; Gen. Rhaph., 2 (1861), *Id.*

stygia SCUDD., Proc. Bost. soc. nat. hist., viii, 9-11 (1861), *Ky.*; Gen. Rhaph., 4-6 (1861), *Id.* — PACK., Amer. nat., v, 745 (1871), *Id.*

subterranea SCUDD., Proc. Bost. soc. nat. hist., viii, 8-9 (1861) *Mammoth Cave*; Gen. Rhaph., 3-4 (1861), *Id.* — PACK., Amer. nat., v, 745, fig. 126 (1871), *Id.* — COPE, Ibid., vi, 409 (1872), *Id.* — HUBB., Amer. ent., iii, 37 (1880), *Id.*

xanthostoma SCUDD., Proc. Bost. soc. nat. hist., viii, 12-14 (1861), *Cal.*; Gen. Rhaph., 7-9 (1861), *Id.*

Rhcnoda

carinata BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 46 (1900), *Costa Rica*.

laminata SAUSS.-ZEHTN., Biol. centr. amer., Orth., 69 (1893), *St. Vinc.* — SAUSS., Rev. suisse zool., iii, 362 (1895), *Id.*

reflexa SAUSS.-ZEHTN., Biol. centr. amer., Orth., 68-69, pl. 4, fig. 35 (1893), *Nicar.* — SAUSS., Rev. suisse zool., iii, 362 (1895), *Amer. centr.*

Rhipipteryx

biolleyi SAUSS., Biol. centr. amer., Orth., 215 (1897), *Costa Rica*.

biolleyi intermedia SAUSS., Biol. centr. amer., Orth., 215 (1897), *Costa Rica*.

carbonaria SAUSS., Biol. centr. amer., Orth., 211 (1897), *Chiriqui*.

fraterna SAUSS., Biol. centr. amer., Orth., 214 (1897), *Mex., Guat.*

fraterna rufescens SAUSS., Biol. centr. amer., Orth., 214 (1897), *Mex., Guat.*

hydrodroma SAUSS., Biol. centr. amer., Orth., 213 (1897), *Nicar., S. A.*
intermedia. See *Rhipipteryx biolleyi intermedia.*

limbata SAUSS., Mél. orth., ii, 225 (1877); Biol. centr. amer., Orth., 212-213 (1897), *Nicar., Cayenne.*

marginata WALK., Cat. Derm. salt. Brit. mus., i, 8 (1869), *Venez., Mex.*

mexicana SAUSS., Rev. mag. zool., 1859, 316 (1859), *Mex.*; Orth. nova amer., i, 15 (1859), *Id.*; Miss. scient. Mex., Rech. zool., vi, 359-360 (1874), *Mex., Amér. centr.*; Mél. orth., ii, 225 (1877); Biol. centr. amer., Orth., 213-214, pl. 11, figs. 8-19 (1897), *Oaxaca.*

pulicaria SAUSS., Biol. centr. amer., Orth., 215-216, pl. 11, fig. 24 (1897), *Mex.*

rufescens. See *Rhipipteryx fraterna rufescens.*

saltator. See *Rhipipteryx tricolor saltator.*

scrofulosa SAUSS., Biol. centr. amer., Orth., 215 (1897), *Mex.*

tricolor SAUSS., Biol. centr. amer., Orth., 214-215 (1897), *Tabasco, Costa Rica.*

tricolor saltator SAUSS., Biol. centr. amer., Orth., 214 (1897), *Costa Rica.*

Rhodopteryx

maculatipennis BRUNN., Mon. Pseudoph., 255 (1895), *Mex.*

Rhomalea

auricornis WALK., Cat. Derm. salt. Brit. mus., iii, 538-539 (1870), *Mex.*
 — THOM., Rep. U. S. geol. surv. terr., v, 241 (1873), *Id.*

centurio BURM., Handb. ent., iii, 620 (1838), *Geo.* — SAUSS., Rev. mag. zool., 1859, 392 (1859), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iii, 537 (1870), *Fla., S. A.* — THOM., Rep. U. S. geol. surv. terr., v, 179, pl., fig. 2 (1873), *Car., Fla.*

See also *Acridium* (*Rhomalea*) *centurio.*

colorata STÅL, Rec. Orth., i, 51 (1873), *Mex.* — PICT.-SAUSS., Bull. soc. ent. suisse, vii, 352 (1887), *Tex., Mex., Amer. centr.*; Cat. Acrid., i, 22 (1887), *Id.* — SCUDD., Cat. Orth. U. S., 45 (1900), *S. C., Tex.* — REHN, Trans. amer. ent. soc., xxvii, 97 (1900), *Mex.*

eques BURM., Handb. ent., ii, 620 (1838), *Mex.* — SAUSS., Rev. mag. zool., 1859, 392 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 538 (1870), *Hond.* — THOM., Rep. U. S. geol. surv. terr., v, 239 (1873), *Mex., Hond.*

gigantea BURM., Handb. ent., ii, 619 (1838), *S. C.* — WALK., Cat. Derm. salt. Brit. mus., iii, 538 (1870), *Brazil, Mo.*

See also *Acridium* (*Rhomalea*) *giganteum.*

marci SERV., [Rom-] Orth., 623 (1893), *S. C.* — WALK., Cat. Derm. salt.

Brit. mus., iii, 537 (1870), *Car.* — THOM., Rep. U. S. geol. surv. terr., v, 180 (1873), *Tenn., west. Amer., S. C., Mo., south. st.*

microptera SERV., [Rom-] Ann. sc. nat., xxii, 280 (1831), *N. A.*; [Rom-] Rev. meth. Orth., 89 (1831), *Id.* — OKEN, Isis, 1835, 176 (1835), *Id.* — SERV., [Rom-] Orth., 622 (1839), *N. A.*, *Car.* — CHARP., Orth. descr. dep., pl. 49 (1841-1845), *Amer. med. et. sept.* — PACK., Guide ins., 570 (1869), *Flu.* — GLOV., Rep. U. S. dep. agrie., 1872, 116, 119, fig. 67 (1872), *S. Atl. and Gulf coast*; Ill. N. A. ent., Orth., pl. 3, fig. 4 (1872). — DODGE, Field and for., ii, 160 (1877), *Gulf. st.* — SHUF., Science, ii, 811-814, pl. (1883), *La.* — SAUND., Ins. inj. fruits, 385-386, fig. 395 (1883). — HUBB., Ins. orange, 135-136, fig. 54 (1885).

See also *Acridium* (*Rhomalea*) *microptera*.

miles GERST., Handb. zool., ii, 55 (1863), *Brazil to Mex.*

pedes SAUSS., Rev. mag. zool., 1859, 392 (1859), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iii, 597 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 240 (1873), *Id.*

picticornis WALK., Cat. Derm. salt. Brit. mus., iii, 538 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 240 (1873), *Id.*

trogon GERST., [Rom-] Stett. ent. zeit., xxxiv, 186 (1873), *Costa Rica.* — PICT.-SAUSS., Bull. soc. ent. suisse, vii, 353-354 (1887), *Amer. centr.*; Cat. Acrid., i, 23-24 (1887), *Id.* — GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.*

Rhombea

cicada FELT., Phil. trans., liv, 55, pl. 6 (1764), *Jam.* — WESTW., Mag. nat. hist., n. s., iii, 490, fig. 67: 1 (1839), *Id.*

Rhyparobia

maderae SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 89 (1893), *Mex., Brit. Hond., Cuba, Brazil.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 41 (1900), *Costa Rica.*

Rhytidochrota

ensicornis STÅL, Bih. sv. vet.-akad. handl., v, no. 4, 76 (1878), *Pan.*

Romalea

See *Rhomalea*, passim.

Rutioderes

See *Locusta* (*Rutioderes*).

Sagephorus

spinosus BRUNN., Mon. Pseudoph., 107, pl. 5, fig. 49 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 406 (1898), *Id.*

Sagona

subpunctata WALK., Cat. Derm. salt. Brit. mus., ii, 367 (1869), *Hond.*

Scaphura

bicolor BRUNN., Verh. zool.-bot. ges. Wien., 1891, 134-135 (1891), *Chiriqui*. — SAUSS.-PICT., Biol. centr. amer., Orth., 333 (1897), *Id.*

Scapteriscus

abbreviatus SCUDD., Cat. Orth. U. S., 86 (1900), *Fla.*

agassizii SCUDD., Mem. Peab. acad. sc., i, 13, pl. 1, figs. 3, 19 (1869), *Switzerland, Centr. Amer.* — WALK., Cat. Derm. salt. Brit. mus., i, 112, (1869), *Id.*

didactylus SCUDD., Mem. Peab. acad. sc., i, 10, pl. 1, figs. 1, 14 (1869), *Fla., Cuba, Cayenne, Surinam, Brazil, Paraguay, Costa Rica.* — WALK., Cat. Derm. salt. Brit. mus., i, 112 (1869). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 338, pl. 8, fig. 20 (1874), *Amér., Antill.* — GIR., Traité ent., ii, 131, pl. 63, fig. 3 (1879), *Guiana, Brazil, Paraguay, Costa Rica, Fla., Cuba.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 216 (1892), *St. Vinc., Haiti, Porto Rico, Pan., Costa Rica, Surinam, Brazil, Peru, Uruguay, Argent.* — SAUSS., Biol. centr. amer., Orth., 200-201 (1897), *Mex., Guat., Antill., S. A.*

mexicanus SCUDD., Mem. Peab. acad. sc., i, 9, pl. 1, figs. 6, 18 (1869), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., i, 112 (1869). — SAUSS., Miss. scient. Mex., Rech. zool., vi, 337 (1874), *Mex., Brazil*; Biol. centr. amer., Orth., 200 (1894), *Mex., Colomb.* — SCUDD., Cat. Orth. U. S., 86 (1900), *Fla.*

variegatus SAUSS., Miss. scient. Mex., Rech. zool., vi, 339 (1874), *Colomb., Santa Lucia*; Biol. centr. amer., Orth., 201 (1897), *Id.*

vicinus SCUDD., Mem. Peab. acad. sc., i, 12, pl. 1, figs. 4, 23 (1869), *S. and Centr. Amer.* — WALK., Cat. Derm. salt. Brit. mus., i, 112 (1869), *Id.* — THOM., Amer. ent., ii, 207 (1870), *Centr. Amer.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 216, 218 (1896).

Scaria

hamata BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 62 (1900), *Nicar.* — MORSE, Biol. centr. amer., Orth., ii, 19 (1901), *Nicar., Guiana.*

Schistocerca

albolineata SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 466 (1899), *Iowa, Idaho, N. Mex., Ariz.*; Cat. Orth. U. S., 47 (1900), *Iowa and Idaho to N. Mex.*

alutacea BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.* — MORSE, *Psyche*, vii, 105 (1894), *N. E.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 135 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — LUGG., Orth. Minn., 172-173 (1898), *Minn.* — MORSE, *Psyche*, viii, 255, 270-271, pl. 7, fig. 32 (1898), *N. E.*; *Ibid.*, viii, 318 (1899), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 464 (1899), *Mass., Conn., N. Y., Md., N. C., Geo., Fla., Ind., Ill., Minn., Iowa, Nebr., upper Missouri, Col., Tex., Utah, Nev., Cal., Mex.*; Cat. Orth. U. S., 47 (1900), *U. S. e. of Sierra Nevada, south. Cal.*; *Psyche*, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 157 (1900), *N. J.*

americana BRUN., Bull. Washb. coll., i, 136 (1885), *Kans.* — SMITH, Cat. ins. N. J., 413 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 79 (1891), *Ind.* — RIL., Bull. div. ent. U. S. dep. agric., xxv, 33-34, fig. 11 (1891). — MCNEILL, *Psyche*, vi, 73 (1891), *Ill.* — BRUN., Rep. bd. agric. Nebr., 1891, 243, 308, fig. 87 (1891). — WEED, Can. ent., xxiv, 278 (1892), *Miss.* — BRUN., Bull. div. ent. U. S. dep. agric., xxvii, 33 (1892); *Ibid.*, xxviii, 10-11, fig. 1 (1893), *Nebr., S. Dak., Iowa, Ill., Ind., Mich., Ohio, Penn., N. J., N. Y., and s. of N. lat. 40°*; Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*; Rep. Nebr. st. bd. agric., 1893, 462, fig. 106 (1893), *Id.* — BLATCHL., *Psyche*, vi, 465-466 (1893), *Ind.* — REDT., Wanderheuschr., 25-26 (1893), *U. S.* — BRUN., Rep. Nebr. st. hort. soc., 1894, 163, 204, fig. 66 (1894). — GARM., Orth. Ky., 3, 8 (1894), *Ky.* — BLATCHL., Can. ent., xxvi, 245 (1894), *Ind.* — HOW., Ins. life, vii, 220-222, 429, figs. 19, 20a-c, 21, 22 (1895), *Va., D. C., N. J., Ill., Ind. to Tex., Mex., Centr. Amer.* — COO., *Ibid.*, vii, 223-229 (1895), *Va.* — BRUN., Nebr. st. hort. rep., 1895, 69 (1895). — LINTN., Rep. st. mus. N. Y., xlix, 271 (1896). — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — WALK., Can. ent., xxix, 89 (1897), *Toronto.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — WEED, Life hist. amer. ins., 67-73, figs. 21-25 (1897). — BRUN., Ann. rep. Nebr. bd. agric., 1896, 107, 122-123, 134, fig. 24 (1897), *Nebr.* — LUGG., Orth. Minn., 174-175, figs. 105, 106 (1898), *Minn.* — MORSE, *Psyche*, viii, 255, 271 (1898), *N. E.* — SEISS, Ent. news, ix, 262 (1898), *Penn.* — MORSE, *Psyche*, viii, 318 (1899), *N. E.* — WEBST., Can. ent., xxxi, 28 (1899), *Ohio.* — WALK., *Ibid.*, xxxi, 99 (1899), *Ont.* — SCUDD., Proc. amer. acad. arts sc., xxxiv, 447, 474-475 (1899), *Penn., Md., N. C., Geo., Fla., Ill., Ind., Mo., Nebr., Tex., Mex., Yuc., Nicar., Colomb., Bahamas, Cuba, Isle of Pines, San Dom., Jam., Argent.*; also *Ont., Mass., N. Y., N. J., Mich., Ohio, Minn., Iowa, S. Dak., Kans., Ky., Tenn., Miss., Va., D. C., St. Barthol.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133, fig. 75 (1899); Rep. Nebr. bd. agric., 1899, 247, 270, fig. 63 (1899), *Nebr.* — BLATCHL., Gleanings, 238, fig. 63 (1899), *Ind.* — COCK., Bull. 32, Ariz. agric. exp. st., 280 (1899), *Ariz., Mex., Centr. Amer.* — SCUDD., Cat. Orth. U. S., 47 (1900), *U. S. e. Great Plains.* — HOW., Bull. div. ent. U. S. dep. agric., n. s., xxli, 106 (1900), *Mich.* — SCUDD., *Psyche*, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 156 (1900), *N. J.* — REHN, Ent. stud., i, 12 (1900), *Penn.*

See also *Acridium* (*Schistocerca*) *americanum*

aurantia SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 448 (1899), *Mex., Yuc., Nicar.*

camerata SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 451-452 (1899), *Mex.*

carinata SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 449 (1899), *Cal., Mex.*; Cat. Orth. U. S., 47 (1900), *Cal.*—REHN, Trans. amer. ent. soc., xxvii, 97 (1900), *Mex.*

columbina BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 210-211 (1892), *St. Vinc., Mex., Costa Rica, Nicar., Pan., Guat., Venez., Colomb., Surinam, Trinidad, Martinique, Brazil, Peru, St. Barthol.*—BRUNN., Ibid., 1893, 606 (1893), *Grenada.*—SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 449-450 (1899), *Costa Rica, Tehuant., Pan.*

See also Acridium (Schistocerca) columbinum.

crocotaria SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 450 (1899), *Nicar.*

damnifica SCUDD., Proc. amer. acad. arts sc., xxxiv, 447, 475-476 (1899), *Penn., Md., Va., N. C., Geo., Fla., Ala., Tex., Ark., Tenn., Ind., Ill.*; Cat. Orth. U. S., 47-48 (1900), *Penn. and Ill. to Gulf.*

emarginata BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*; Spec. bull. dep. ent. univ. Nebr., ii, 7, fig. 46 (1895); Ann. rep. Nebr. bd. agric., 1896, 134 (1897), *Nebr.*—BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.*—LUGG., Orth. Minn., 173, fig. 104 (1898), *Minn.*

inscripta SCUDD., Proc. amer. acad. arts sc., xxxiv, 444, 461 (1899), *Jam.*—REHN, Ent. stud., i, 13 (1900), *Id.*

lineata SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 465-466 (1899), *Kans., Tex., Mex.*; Cat. Orth. U. S., 48 (1900), *Kans. to Tex.*

maya SCUDD., Proc. amer. acad. arts sc., xxxiv, 444, 458-459 (1899), *Mex., Tehuant.*

mellea SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 452-453 (1899), *Mex.*

mexicana SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 468-469 (1899), *Mex.*

obliquata SCUDD., Proc. amer. acad. arts sc., xxxiv, 446, 470-471 (1899), *Mex.*

obscura BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 134 (1897), *Id.*—SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 465 (1899), *N. C., S. C., Geo., Fla., Iowa, Nebr., Col., Tex., N. Mex., Mex.*; Cat. Orth. U. S., 48 (1900), *South. U. S. e. Rocky Mts.*—SMITH, Ins. N. J., 157 (1900), *N. J.*

pallens BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 210 (1892), *St. Vinc., Cuba, Haiti, Jam.*—SCUDD., Proc. amer. acad. arts sc., xxxiv, 446, 473 (1899), *Mex., Yuc., Nicar., San Dom., Surinam, Brazil.*

See also Acridium (Schistocerca) pallens.

peregrina REDT., Wanderheuschr., 20-25 (1893), *Mex., Centr. Amer., Chili, Argent., Old World.*—GIEHL-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 5

(1897), *Darien*. — SCUDD., Proc. amer. acad. arts sc., xxxiv, 440, 472 (1899), *Pan., Brazil, Old World*.

See also *Acridium* (Schistocerca) peregrinum.

pyramidata SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 454-455 (1899), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 97-98 (1900), *Id.*

rubiginosa MORSE, Psyche, vii, 105 (1894), *N. E.* — LUGG., Orth. Minn., 174 (1898), *Minn.* — MORSE, Psyche, viii, 255, 269-270, pl. 7, fig. 31 (1898), *N. E.*; *Ibid.*, viii, 318, 320 (1899), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 462-463 (1899), *U. S. e. of Great Plains from Mass. and Minn. to Gulf, Bahamas, Mex., Yuc., Guat.*; Cat. Orth. U. S., 48 (1900), *U. S. e. Great Plains*; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 157 (1900), *N. J.*

separata SCUDD., Proc. amer. acad. arts sc., xxxiv, 446, 469 (1899), *Nicar., Costa Rica*.

shoshone BRUN., Rep. Nebr. st. hort. soc., 1894, 163 (1894); *Ibid.*, 1895, 69 (1895). — LINTN., Rep. st. mus. N. Y., xlix, 271 (1896). — SCUDD., Proc. amer. acad. arts sc., xxxiv, 446, 469-470 (1899), *Utah, Nev., Cal., Idaho, Col., Ariz., N. Mex., Tex., Mex.* — BRUN., Rep. Nebr. st. hort. soc., 1899, 133 (1899). — SCUDD., Cat. Orth. U. S. 48 (1900), *U. S. w. Rocky Mts., Tex.*

simulatrix SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 454 (1899), *St. Dom., Bahamas*.

sonorensis SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 463-464 (1899), *Sonora*.

vaga BRUN., Proc. U. S. nat. mus., xii, 187 (1890), *Cal.* — SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 454 (1899), *Cal., Ariz., N. Mex., Tex., Guadalupe Isl., Lower Cal., Mex., Nicar.*; Cat. Orth. U. S., 48 (1900), *Cal. to Tex.* — REHN, Trans. amer. ent. soc., xxvii, 93 (1900), *Mex.*

venusta SCUDD., Proc. amer. acad. arts sc., xxxiv, 445, 467-468 (1899), *Or., Cal., Nev., Utah, Ariz., Tex., Mex.*; Cat. Orth. U. S., 48 (1900), *Pac. coast to Tex.*

zapoteca SCUDD., Proc. amer. acad. arts sc., xxxiv, 443, 453-454 (1899), *Mex., Guat., Costa Rica, S. Amer.*

Schistocerca (Acridium)

peregrina STOLL, Mitth. schweiz. ent. ges., vi, 200-211 (1881), *Guat., Centr. amer., La Plata, s. e. Europe*.

Schoenobates

apterus BRUNN., Verh. zool.-bot. ges. Wien, 1888, 274, fig. 8A (1888), *Guat.*; Mon. Stenop., 30, fig. 8A (1888), *Id.* — SAUSS.-PËCT., Biol. centr. amer., Orth., 293 (1897), *Id.*

mexicanus SAUSS., Rev. mag. zool., 1859, 210 (1859), *Mex.*; Orth. nova amer., i, 13 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 273-274, fig. 8B (1888), *Id.*;

Mon. Stenop., 29-30, fig. 8B (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 293, pl. 14, figs. 12-15 (1897), *Id.*

saltator SAUSS.-PICT., Biol. centr. amer., Orth., 294, pl. 14, fig. 16 (1897), *Costa Rica.*

Scirtetica

marmorata SMITH, Cat. ins. N. J., 415 (1890), *N. J.*; Bull. N. J. exp. st. K, 41 (1890). — MORSE, Psyche, vii, 105 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 303, pl. 10, fig. 4 (1894), *N. Y.* — MORSE, Psyche, viii, 37, 89, pl. 2, figs. 27, 27ab (1897), *N. E.* — WALK., Can. ent., xxx, 261-262 (1898), *Ont.* — MORSE, Psyche, viii, 318 (1899), *N. E.* — WALK., Can. ent., xxxi, 36 (1899), *Ont.* — SCUDD., Cat. Orth. U. S., 38 (1900), *North Atl. coast, Ont., Tex.*; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

See also Dissosteira (Scirtetica) marmorata.

occidentalis BRUNN., N. A. fauna, vii, 267 (1893), *Cal.* — SCUDD., Cat. Orth. U. S., 38 (1900), *Id.*

picta SCUDD., Cat. Orth. U. S., 38 (1900), *Geo., Fla.*

See also Dissosteira (Scirtetica) picta.

Scopiorus

brevifolius BRUNN., Mon. Pseudoph., 236, pl. 9, fig. 103 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442, 444 (1898), *Id.*

carinulatus SAUSS.-PICT., Biol. centr. amer., Orth., 442, 443-444, pl. 21, fig. 14 (1898), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900) *Id.*

lancifolius BRUNN., Mon. Pseudoph., 237 (1895), *Chiriqui.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442, 444-445, pl. 21, fig. 13 (1898), *Id.*

mucronatus SAUSS.-PICT., Biol. centr. amer., Orth., 442, 443, pl. 21, fig. 15 (1898), *Costa Rica.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 54 (1900), *Id.*

muticus BRUNN., Mon. Pseudoph., 237 (1895), *Chiriqui.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442, 444 (1898), *Id.*

nigridens STÅL, Bih. sv. vet.-akad. handl., iii, no. 14, 37 (1875), *Chiriqui* — BRUNN., Mon. Pseudoph., 235 (1895), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442-443, pl. 21, figs. 9-12 (1898), *Id.*

nigrostriolatus BRUNN., Mon. Pseudoph., 236 (1895), *Guat., Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442, 444 (1898), *Id.*

reticulatus BRUNN., Mon. Pseudoph., 236 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 442, 444 (1898), *Id.*

Scudderia

angustifolia BRUNN., Mon. Phaner., 241 (1878), *Mass., Me.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 67-68,

figs. 42, 43 (1893). — BLATCHL., Proc. Ind. acad. sc., 1892, 102-103 (1894). *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 276 (1894), *N. Y.* — DAV., Proc. nat. sc. ass. Staten Isl., v, 97 (1896), *Staten Is.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 332 (1897), *Mass., Me., Pan.* — LUGG., Orth. Minn., 219-220 (1898), *Minn.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

curvicauda STÅL, Rec. Orth., ii, 30 (1874), *Penn.* — SCUDD., Daws., Rep. geol. 49 par., 343 (1875), *Souris Riv.*; Butt. Orth. N. A. bound. comm., 3 (1875), *Id.* — THOM., Proc. Davenport acad. nat. sc., i, 262 (1876), *Iowa.* — BRUNN., Mon. Phaner., 240 (1878), *Penn., Conn., Tex., Geo.* — THOM., Ann. rep. chief eng., 1878, 1845 (1878), *Col.* — BRUN., Bull. Washb. coll., i, 127 (1885), *Kans.* — COMST., Intr. ent., 118 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 106 (1888), *N. E.*; Orth. N. E., 22 (1888), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.*; Bull. N. J. exp. st., K, 40, 41 (1890). — McNEILL., Psyche, vi, 21 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 24, 31 (1892), *N. J.* — WEED, Can. ent., xxiv, 278 (1892), *Miss.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SCUDD., Rep. ent. soc. Ont., xxiii, 68 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 99-100 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 275, pl. 7, figs. 5, 6 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — HARV.-KNIGHT, Psyche, viii, 77 (1897), *Me.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 331-332, pl. 15, fig. 20 (1897), *Mex.* — SCUDD., Proc. amer. acad. arts sc., xxxiii, 274, 276, 278-280, pl., fig. 3 (1898), *N. E., N. Y., Penn., Md., Ohio, Ind., Mich., Iowa, Ky., N. C., Geo., Fla., Miss., Tex., Mex.* — LUGG., Orth. Minn., 216-217, fig. 138 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 68 (1900), *U. S. e. of Great Plains.* — FOGG, Proc. Manch. inst. arts sc., i, 45 (1900), *N. H.* — SCUDD., Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

fasciata BEUT., Bull. amer. mus. nat. hist., vi, 251-252, 276 (1894), *Conn., N. Y.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

See also Scudderia furcata fasciata.

forcipata BRUNN., Mon. Phaner., 242 (1878), *Mex.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 332-333, pl. 15, figs. 22, 23 (1897), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxiii, 275, 287, pl., fig. 10 (1898), *Id.*

furcata BRUNN., Mon. Phaner., 239, pl. 5, fig. 72a (1878), *Me., Tex.* — BRUN., Bull. Washb. coll., i, 127 (1885), *Kans.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — McNEILL., [fusc-] Psyche, vi, 21 (1892), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 31 (1892), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 68 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 101-102 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 275 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 331, pl. 15, figs. 16, 17 (1897), *Me., Geo., Tex.*

—SCUDD., Proc. amer. acad. arts sc., xxxiii, 275, 276, 284–285, pl., fig. 8 (1898), *Montreal, N. E., N. Y., N. J., Ind., Ohio, Md., Ill., Ky., Va., N. C., Geo., Fla., Tex., N. Mex., Kans., Nebr., Iowa, Col., Wash., Or., Cal.* — LUGG., Orth. Minn., 218–219, figs. 141–143 (1898), *Minn.* — SCUDD., Psyche, viii, 226 (1898), *N. E., across cont.* — BLATCHL., Gleanings, 192, fig. 40 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 68 (1900), *U. S. and south. Can. e. of Great Plains*; Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

furcata fasciata SCUDD., Proc. amer. acad. arts sc., xxxiii, 284–285 (1898), *Montreal, N. Y., Conn., Va.*

furcifera SCUDD., Proc. amer. acad. arts sc., xxxiii, 275, 276, 282–283, pl., fig. 7 (1898), *Mex., Ariz.*; Cat. Orth. U. S., 68 (1900), *Ariz.*

furculata BRUNN., Mon. Phaner., 239, pl. 5, fig. 72b (1878), *Mex., Tex.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.*; Bull. N. J. exp. st., K, 40, 41 (1890); Ibid., xc, 4, 12, 13, 14, 17, 22, 24, 31, figs. 4a, 5b, 6a, 8, 13b, pl. 2 (1892), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — SMITH, Ent. news, iv, 48, pl. [p. 50], fig. a (1893). — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 100–101 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 275 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22, (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 331, pl. 15, fig. 21 (1897), *Tex., Mex.* — LUGG., Orth. Minn., 217–218, figs. 139, 140 (1898), *Minn.* — SMITH, Ins. N. J., 161 (1900), *N. J.*

fuscata. See *Scudderia furcata*.

laticauda BRUNN., Mon. Phaner., 238 (1878), *Geo.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 330, pl. 15, fig. 15 (1897), *Geo., Tex.* — SCUDD., Proc. amer. acad. arts sc., xxxiii, 274, 276, 280, pl., fig. 4 (1898), *Fla., Geo., Tex.*; Cat. Orth. U. S., 68 (1900), *Id.*

laticauda strigata SCUDD., Proc. amer. acad. arts sc., xxxiii, 280 (1898), *Fla.*

mexicana SCUDD., Proc. amer. acad. arts sc., xxxiii, 274, 276, 280, pl., fig. 5 (1898), *Or., Cal., Tex., Mex., Guat.*; Cat. Orth. U. S., 69 (1900), *Or., Cal., Tex.* — REHN, Trans. amer. ent. soc., xxvii, 88 (1900), *Mex.*

paronae GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 11–13 (1896), *Darien.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 330 (1897), *Id.* — SCUDD., Proc. amer. acad. arts sc., xxxiii, 274, 282 (1898), *Id.*

pistillata BRUNN., Mon. Phaner., 240 (1878), *N. Y., N. H.* — SMITH, Cat. ins. N. J., 410 (1890), *N. J.* — BRUN., Rep. bd. agric. Nebr., 1891, 243, 305–306, fig. 79 (1891), *Nebr.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 152 (1894), *N. J. to Nebr.* — BEUT., Bull. amer. mus. nat. hist., vi, 276–277 (1894), *N. Y.* — PIERS, Trans. Nova Scot. inst. sc., ix, 211–213 (1896), *Nova Scotia.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — PICT.-SAUSS., Biol. centr. amer., Orth., 328, 329, 332 (1897), *Geo.* — SCUDD., Appal., viii, 316–317 (1898), *Nova Scotia, N. E. to Manit.*; Alp. Orth. N. A., 18–19 (1898), *Id.*; Proc. amer. acad. arts sc., xxxiii, 273,

275, 277-278, pl., fig. 2 (1898), *Nova Scotia, Manit., N. E., N. Y., N. J., Mich., Ind., Ill., Iowa, Nebr., N. Dak., Geo.* — LUGG., *Orth. Minn.*, 220-221, figs. 144, 145 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 69 (1900), *North. U. S. and Can. e. of Great Plains*; *Psyche*, ix, 103 (1900), *N. E.* — SMITH, *Ins. N. J.*, 161 (1900), *N. J.*

septentrionalis SCUDD., *Proc. amer. acad. arts sc.*, xxxiii, 275, 276, 285-286, pl., fig. 9 (1898), *N. E., N. J., Geo., Pan.*; *Cat. Orth. U. S.*, 69 (1900), *Atl. st.*; *Psyche*, ix, 103 (1900), *N. E.*

septentrionalis suturalis SCUDD., *Proc. amer. acad. arts sc.*, xxxiii, 286 (1898), *Car.*

strigata. See *Scudderia laticauda strigata*.

suturalis. See *Scudderia septentrionalis suturalis*.

texensis PICT.-SAUSS., *Biol. centr. amer.*, *Orth.*, 328, 329, 330, pl. 15, figs. 18, 19 (1897), *Tex.* — SCUDD., *Proc. amer. acad. arts sc.*, xxxiii, 273, 276, 277, pl., fig. 1 (1898), *N. E., N. Y., Md., Mich., Ohio, Ind., Ill., Iowa, Nebr., Utah, Geo., S. C., Fla., Tex.*; *Psyche*, viii, 226 (1898), *N. E. to Utah*; *Cat. Orth. U. S.*, 69 (1900), *U. S. e. Great Plains*; *Psyche*, ix, 103 (1900), *N. E.* — SMITH, *Ins. N. J.*, 161 (1900), *N. J.*

truncata BEUT., *Bull. amer. mus. nat. hist.*, vi, 252, 277 (1894), *N. Y., N. J.* — SMITH, *Ins. N. J.*, 161 (1900), *N. J.*

ungulata SCUDD., *Proc. amer. acad. arts sc.*, xxxiii, 274, 276, 280-282, pl., fig. 6 (1898), *Mex.*

Scyllina

brunnea BRUN., *Publ. Nebr. acad. sc.*, iii, 23 (1893), *Nebr.*

delicatula SCUDD., *Bull. U. S. geol. surv. terr.*, ii, 263 (1876), *Col.* — BRUN., *Rep. U. S. ent. comm.*, iii, 58 (1883), *Id.* — COCK., *Ent.*, xxi, 301 (1888), *Col.* — RIL., *N. A. fauna*, vii, 252 (1893), *Cala.*

viatoria STÅL., *Rec. Orth.*, i, 112 (1873), *Mex.* — BRUN., *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 64 (1895), *Nicar.*

Sermyle

mexicana STÅL., *Rec. Orth.*, iii, 76 (1875), *Guat., Mex.*

saussurei STÅL., *Rec. Orth.*, iii, 77 (1875), *Mex.*

strigata SCUDD., *Cat. Orth. U. S.*, 14, 94-95, pl. 1, fig. 3 (1900), *Tex.*

Sinaloa

behrensi SCUDD., *Rev. Mel.*, 40-41, pl. 3, fig. 7 (1897), *Mex.*

Sinipta

cinerea BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 128 (1897), *Nebr., Wyo., Dak., Idaho.*

crenulata BRUN., Ann. rep. Nebr. bd. agric., 1896, 128 (1897), *Nebr.*
occidentalis BRUN., Ann. rep. Nebr. bd. agric., 1896, 128 (1897), *Nebr.*

Sisapona

marginalis WALK., Cat. Blatt. Brit. mus., 17 (1868), *Tejuca, Hond.*

Spanionyx

bicornis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 177 (1894), *Mex.*

bidens SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 177-178, pl. 10, figs. 1-3 (1894), *Hond.*

Sparatta

bormansi KIRB., Journ. Linn. soc. Lond., Zool., xxv, 528 (1896), *Mex.*,
 — BORM., Schultze, Tierreich, xi, 81 (1900), *Id.*

nigrina BORM., Biol. centr. amer., Orth., 5, pl. 1, figs. 11-12 (1893), *Guat.*,
Nicar., *Brazil.* — BURR., Ann. mag. nat. hist., (7), iv, 253 (1899), *Id.*, *Ecuador.* — BORM., Schultze, Tierreich, xi, 78 (1900), *Guat.*, *Nicar.*, *Brazil.*

pelvimetra BORM., Schultze, Tierreich, xi, 79-80, figs. 31ab (1900), *Guat.*,
Ecuador, Brazil.

pelvimetra rufina BORM., Biol. centr. amer., Orth., 6, pl. 1, fig. 13
 (1893), *Guat.*, *Brazil.*

plana BORM., Biol. centr. amer., Orth., 6 (1893), *Nicar.*, *Costa Rica*,
Colomb., *Amazons, Bolivia*; Schultze, Tierreich, xi, 79 (1900), *Id.*

rufina. See *Sparatta pelvimetra rufina.*

schotti BORM., Biol. centr. amer., Orth., 6, pl. 1, fig. 14 (1893), *Mex.*,
Brazil; Schultze, Tierreich, xi, 80 (1900), *Id.*

Spectrum

baculum LAM., Hist. nat. anim. sans vert., 1 ed., iv, 255 (1817), *Antill.*;
Ibid., 2 ed., iv, 456 (1835), *Id.*; *Ibid.*, 3 ed., ii, 157 (1839), *Id.*

bivittatum SAY, Amer. ent., iii, pl. 38 (1828), *Fla.*; Ent. N. A., i, 82, pl.
 38 (1859), *Id.* — RATHV., Rep. U. S. dep. agric., 1862, 377 (1862). — RIL.,
 Amer. ent., ii, 374 (1870), *Ky.*

calamus LAM., Hist. nat. anim. sans vert., 1 ed., iv, 255 (1817), *St. Croix*;
Ibid., 2 ed., iv, 456 (1835), *Id.*; *Ibid.*, 3 ed., ii, 156 (1839), *Id.*

femoratum SAY, Exp. Long., ii, 297 (1824), *N. Y., Mo.*; Amer. ent., iii,
 pl. 37 (1828), *N. Y., Mo., N. J., Mass.* — HARR., Hitchc., Rep. geol. Mass.,
 582 (1833), *Mass.*; *Ibid.*, 2 ed., 576 (1835), *Id.*; Cat. ins. Mass., 56 (1835), *Id.*
 — LEIDY, Proc. acad. nat. sc. Philad., iii, 80 (1846), *U. S., Iowa.* — HALD.,
 Amer. journ. sc., (2), v, 435 (1848), *Mex.*, *N. Mex.* — EMM., Agric. N. Y., v,
 142, pl. 7, figs. 1, 2 (1854), *N. Y., Mass.* — JÆG., N. A. ins., 1 ed., 173 (1854),
N. A.; *Ibid.*, 2 ed., 123 (1859), *Id.* — SAY, Ent. N. A., i, 83, 197, pl. 37 (1859),

N. Y., Mo., N. J., Mass. — RATHV., Rep. U. S. dep. agric., 1862, 377, pl., fig. 11 (1862). — THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Ill.* — WALSH, Pract. ent., i, 126 (1866), *N. Y.* — WALSH-RIL., Amer. ent., i, 58 (1868), *Wisc., west. st.*; *Ibid.*, i, 100 (1869), *Mo.* — RIL., *Ibid.*, ii, 96 (1869-1870), *N. H.* — ROG., Can. ent., iv, 200 (1872), *Ont.*

ferula LAM., Hist. nat. anim. sans vert., 1 ed., iv, 255 (1817), *Guadeloupe*; *Ibid.*, 2 ed., iv, 455 (1835), *Id.*; *Ibid.*, 3 ed., ii, 156 (1839), *Id.*

vittatum JAEQ., N. Amer. ins., 1 ed., 173 (1854), *N. A.*; *Ibid.*, 2 ed., 123 (1859), *Id.*

Spharagemon

aequale SCUDD., Proc. Bost. soc. nat. hist., xvii, 468-469 (1875), *Vt., Mass., Minn., Manit., Me., Md., Iowa, Dak., Ill., Tex., Col., Wyo.*; Ent. notes, iv, 67-68 (1875), *Id.* — THOM., Proc. Davenp. acad. nat. sc., i, 257 (1876), *Utah*; Bull. Ill. mus. nat. hist., i, 63 (1876), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *East Rocky Mts.*; Bull. Washb. coll., i, 133-134 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*. — CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Manit.* — COMST., Intr. ent., 104 (1888). — COCK., Ent., xxi, 301 (1888), *Col.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.* — BRUN., Ins. life, iii, 229 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891). — MCNEILL, Psyche, vi, 64 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*. — SMITH, Bull. N. J. exp. st. xc, 34 (1892), *N. J., Cape Cod*. — SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — MORSE, Proc. Bost. soc. nat. hist., xxvi, 225-227, 235-238, figs. 1-3 (1894), *N. E.*; Psyche, vii, 105 (1894). — BEUT., Bull. amer. mus. nat. hist., vi, 301, figs. 14, 15, pl. 9, fig. 5 (1894), *N. Y., N. J., Conn.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 37 (1900), *U. S. and Can. from Rocky Mts. eastw.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

See also Dissosteira (Spharagemon) aequalis.

aequale scudderi MORSE, Proc. Bost. soc. nat. hist., xxvi, 225-227, 235-238, figs. 1-3 (1894), *N. E.*; Psyche, vii, 105, 138, figs. 1-3 (1894).

balteatum SCUDD., Proc. Bost. soc. nat. hist., xvii, 469-470 (1875), *N. J., Me., Vt., Md., Tex.*; Ent. notes, iv, 68 (1875), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *East. U. S.*; Bull. Washb. coll., i, 132 (1885), *Kans.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — BLATCHL., Can. ent., xxiii, 78 (1891), *Ind.* — SMITH, Bull. N. J. exp. st., xc, 34 (1892), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mer.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Nebr.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

bolli SCUDD., Proc. Bost. soc. nat. hist., xvii, 469 (1875), *Tex., Vt., Mass., Md., Iowa*; Ent. notes, iv, 68 (1875), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Tex.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.*; Bull.

N. J. exp. st., K, 41 (1890).—McNEILL, *Psyche*, vi, 64 (1891), *Ill.*, *Iowa*, *Ind.* — BLATCHL., *Can. ent.*, xxiv, 30 (1892), *Ind.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 77 (1893). — BRUN., *Publ. Nebr. acad. sc.*, iii, 25 (1893), *Nebr.* — MORSE, *Proc. Bost. soc. nat. hist.*, xxvi, 227-229, 236-240, figs. 6, 7 (1894), *N. E.*; *Psyche*, vii, 105, 138, figs. 6, 7 (1894). — BEUT., *Bull. amer. mus. nat. hist.*, vi, 300, figs. 10-11, pl. 10, fig. 1 (1894), *N. Y.* — BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.* — MORSE, *Psyche*, viii, 37, 88-89, pl. 2, figs. 26-26c (1897), *N. E.* — BALL, *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa*. — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 132 (1897), *Nebr.* — BLATCHL., *Can. ent.*, xxx, 63 (1898), *Ind.* — LUGG., *Orth. Minn.*, 163-164, fig. 98 (1898), *Minn.* — WALK., *Can. ent.*, xxx, 261 (1898), *Ont.* — SCUDD., *Cat. Orth. U. S.*, 37 (1900), *Mass. to Geo., Tex. and Nebr.*; *Psyche*, ix, 102 (1900), *N. E.* — SMITH, *Ins. N. J.*, 158 (1900), *N. J.*

See also *Dissosteira* (*Spharagemon*) *bolli*.

collare SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 470 (1875), *Nebr.*, *Col. Ill.*, *Manit.*, *Iowa*; *Ent. notes*, iv, 69 (1875), *Id.* — THOM., *Proc. Davenport acad. nat. sc.*, i, 257 (1876), *Wyo.*; *Bull. Ill. mus. nat. hist.*, i, 64 (1876), *Ill.*; [-angemon] *Ann. rep. chief eng.*, 1878, 1844 (1878), *Cbl.* — BRUN., *Rep. U. S. ent. comm.*, iii, 56 (1883), *Centr. U. S.*; *Rep. U. S. ent.*, 1885, 307 (1886), *Yellowstone*. — SCUDD., *Proc. nat. sc. ass. Stat. Isl.*, Jan. 8, 1887 (1887), *Staten Is.* — CAULF., *Rep. ent. soc. Ont.*, xviii, 70 (1888), *Regina*. — SMITH, *Cat. ins. N. J.*, 415 (1890), *N. J.*; *Bull. N. J. exp. st.*, K, 41 (1890). — McNEILL, *Psyche*, vi, 64 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, 1, pt. 2, 118 (1892), *Iowa*. — SMITH, *Bull. N. J. exp. st.*, xc, 34 (1892), *N. J.*, *Cape Cod*. — BRUN., *Publ. Nebr. acad. sc.*, iii, 25 (1893), *Nebr.* — MORSE, *Proc. Bost. soc. nat. hist.*, xxvi, 234, 235, fig. 9 (1894), *Cape Cod*, *N. J.*; *Psyche*, vii, 138, fig. 9 (1894). — BLATCHL., *Orth. Ind.*, 21 (1897), *Ind.* — BALL, *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa*. — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 132 (1897), *Nebr.* — LUGG., *Orth. Minn.*, 160-163, figs. 96, 97 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 37 (1900), *North. U. S. and Can., from Rocky Mts. eastw.*; *Psyche*, ix, 102 (1900), *N. E.* — SMITH, *Ins. N. J.*, 158 (1900), *N. J.*

See also *Dissosteira* (*Spharagemon*) *collaris*.

collare scudderi MORSE, *Psyche*, viii, 36, 88, pl. 2, figs. 24, 24a (1897), *N. E.* — LUGG., *Orth. Minn.*, 162-163, figs. 96, 97 (1898), *Minn.* — MORSE, *Psyche*, viii, 318 (1899), *N. E.*

cristatum SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 470-471 (1875), *Tex.*; *Ent. notes*, iv, 69-70 (1875), *Id.* — BRUN., *Rep. U. S. ent. comm.*, iii, 56 (1883), *Id.* — SCUDD., *Cat. Orth. U. S.*, 37 (1900), *Tex.*, *Nebr.*

See also *Dissosteira* (*Spharagemon*) *cristata*.

oculatum MORSE, *Proc. Bost. soc. nat. hist.*, xxvi, 232-234, 237, 238, 239-240, fig. 8 (1894), *Ind.*, *N. J.*; *Psyche*, vii, 138, fig. 8 (1894). — BLATCHL., *Can. ent.*, xxvi, 218 (1894), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 37 (1900), *N. J.*, *Ind.*

saxatile MORSE, *Proc. Bost. soc. nat. hist.*, xxvi, 229-232, 235-236, 238-

235, figs. 4, 5 (1894), *N. E., Md.*; Psyche, vii, 105, 138, figs. 4, 5 (1894). — BEUT., Bull. amer. mus. nat. hist., vi, 300-301, figs. 12, 13 (1894), *Conn., N. J.* — MORSE, Psyche, viii, 36, 88, pl. 2, figs. 25, 25a (1897), *N. E.*; Ibid., viii, 318 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 37 (1900), *N. E. to Md.*; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

scudderi. See *Spharagemon aequale scudderi* and *Spharagemon collare scudderi*.

texense SCUDD., Cat. Orth. U. S., 37 (1900), *Tex.*

See also *Dissosteira (Spharagemon) texensis*.

venustum SCUDD., Cat. Orth. U. S., 37 (1900), *Cala., Or.*

See also *Dissosteira (Spharagemon) venusta*.

wyomingense BLATCHL., Orth. Ind., 21 (1897), *Ind.*; Can. ent., xxx, 61, 63 (1898), *Id.*

wyomingianum SCUDD., Proc. Bost. soc. nat. hist., xvii, 470 (1875), *Wyo.*; Ent. notes, iv, 69 (1875), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*; Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 132 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 38 (1900), *Wyo., Ind.*

Spharangemon

collare. See *Spharagemon collare*.

Sphenarium

borrei BOL., Mon. Pirgom., 99 (1884), *Guanajuato*.

histrio GERST., Stett. ent. zeit., xxxiv, 196 (1873), *Mex.* — KARSCH, Ent. nachr., xiv, 343 (1888), *Id.* — BOL., Mon. Pirgom., 98, pl. 2, figs 14, 14a (1894), *Id.*

ictericum GERST., Stett. ent. zeit., xxxiv, 196 (1873), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 96 (1900), *Id.*

mexicanum SAUSS., Rev. mag. zool., 1859, 390 (1859), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iv, 789 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 200 (1873), *Id.* — BOL., Mon. Pirgom., 98-99 (1884), *Id.* — KARSCH, Ent. nachr., xiv, 343 (1888), *Id.*

purpurascens CHARP., Orth. descr. dep., pl. 31 (1842), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., iv, 788 (1870), *Id.* — THOM., Rep. U. S. geol. surv., v, 199 (1873), *Mex., Cuba.* — BOL., Mon. Pirgom., 100 (1884), *Mex.* — KARSCH, Ent. nachr., xiv, 343 (1888), *Id.*

Sphingolabis

arachidis BORM., Biol. centr. amer., Orth., 12 (1893), *Mex., Afr., New Guinea.*

californica BORM., Biol. centr. amer., Orth., 12, pl. 2, fig. 20 (1893), *Calif., Mex.* — SCUDD., Cat. Orth. U. S., 6 (1900), *Cala.*

taeniata BORM., Biol. centr. amer., Orth., 12, pl. 2, figs. 17-19 (1893), *Mex., Guat., Nicar., Costa Rica, Pan., S. A.* — SCUDD., Cat. Orth. U. S., 6 (1900), *Tex. to Or. and Cala.*

Sphingonotus

caerulans SAUSS., Prodr. Oedip., 200-201 (1884), *Europe, N. Africa, Madeira, Asia, Cuba.* — BOL., Mém. soc. zool. France, i, 143 (1888), *Cuba*; Orth. Cuba, 28 (1888), *Id.* — GUNDL., Ent. cub., ii, 340-341 (1890), *Id.*

haitensis SAUSS., Prodr. Oedip., 202 (1884), *Haiti, Cuba*; Add. prodr. Oedip., 77, 81 (1888), *St. Dom., Mex.* — BOL., Mém. soc. zool. France, i, 143-144 (1888), *Haiti, Cuba*; Orth. Cuba, 28-29 (1888), *Id.* — GUNDL., Ent. cub., ii, 341, 387 (1890), *Cuba.*

See also Oedipoda (Sphingonotus) *haitensis*.

jamaicensis SAUSS., Prodr. Oedip., 202 (1884), *Jam.*

sumichrasti. *See* Oedipoda (Sphingonotus) *sumichrasti*.

Spongiphora

See Spongophora.

Spongophora

bipunctata SCUDD., Bost. journ. nat. hist., vii, 415 (1862), *Mass.* — PACK., Guide ins., 577 (1869), *Atl. st.*

brunneipennis SCUDD., Bull. U. S. geol. surv. terr., ii, 252 (1876), *Penn., Ky. to Fla., Tex., Ariz., Mex*; Psyche, i, 177 (1876), *U. S.*; Proc. Bost. soc. nat. hist., xviii, 330 (1876), *East. and south. U. S., Ariz., Mex.*; Ent. notes, v, 70 (1876), *Id.* — BORM., Compt. rend. soc. ent. Belg., 1880, 71 (1880), *Mex.*; Etude Forf. exot., 4 (1880), *Id.* — SCUDD., Can. ent., xix, 67-69 (1887), *Tex.* — BOL., Mém. soc. zool. France, i, 120 (1888), *Cuba*; Orth. Cuba, 5 (1888), *Id.* — GUNDL., Ent. cub., ii, 298 (1890), *Id.* — SMITH, Cat. ins. N. J., 406 (1890), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — BORM., Biol. centr. amer., Orth., 7, pl. 2, figs. 1-3 (1893), *Penn., Va., Mex., Guat.* — BEUT., Bull. amer. mus. nat. hist., vi, 255-256 (1894), *N. J., Penn., Mex.* — HUBB., Psyche, viii, Suppl. i, 3 (1899), *Ariz.* — SCUDD., Cat. Orth. U. S., 5 (1900), *N. J. to Nebr., Tex., Ariz.* — BURR, Ann. soc. ent. Belg., xlv, 51 (1900), *Brazil, Centr. Amer., U. S.* — SMITH, Ins. N. J., 147 (1900), *N. J.* — BORM., Schultze, Tierreich, xi, 57, figs. 25a-c (1900), *Penn., Va., Ariz., Mex., Guat.*

croceipennis lherminieri BORM., Schultze, Tierreich, xi, 56 (1900), *Antill., Centr. Amer., Mex.*

croceipennis parallela BORM., Schultze, Tierreich, xi, 56 (1900), *Centr. Amer., S. A.*

forfex SCUDD., Bull. U. S. geol. surv. terr., ii, 252 (1876), *Centr. Amer.*;

Proc. Bost. soc. nat. hist., xviii, 259, 330 (1876), *Id.*; Ent. notes, v, 14, 70 (1876), *Id.*; Cent. Orth., 38 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 204, 217 (1896).

lherminieri SCUDD., Proc. Bost. soc. nat. hist., xviii, 330 (1876), *Guadeloupe, Brazil*; Ent. notes, v, 70 (1876), *Id.*

*See also *Spongophora croceipennis lherminieri*.

parallela SCUDD., Bull. U. S. geol. surv. terr., ii, 252 (1876), *Mex., Nicar.*; Proc. Bost. soc. nat. hist., xviii, 331 (1876), *Centr. Amer.*; Ent. notes, v, 71 (1876), *Id.* — BORM., Biol. centr. amer., Orth., 7 (1893), *Mex., Guat., Nicar., Pan.*

See also *Spongophora croceipennis parallela*.

prolixa SCUDD., Bull. U. S. geol. surv. terr., ii, 252 (1876), *Mex.*; Proc. Bost. soc. nat. hist., xviii, 331 (1876), *Id.*; Ent. notes, v, 71 (1876), *Id.* — BORM., Schultze, Tierreich, xi, 56-57 (1900), *Id.*

pygmaea BORM., Biol. centr. amer., Orth., 7, pl. 2, figs. 4, 5 (1893), *Nicar., Pan., Brazil*; Schultze, Tierreich, xi, 59-60 (1900), *Id.*

rogersi BORM., Biol. centr. amer., Orth., 8, pl. 2, fig. 6 (1893), *Costa Rica*; Schultze, Tierreich, xi, 57-58 (1900), *Id.*

Stagmatoptera

antillarum. See Mantis (Stagmatoptera) antillarum.

azteca. See Mantis (Stagmatoptera) azteca.

carolina. See Mantis (Stagmatoptera) carolina.

ferox. See Mantis (Stagmatoptera) ferox.

latipennis. See Mantis (Stagmatoptera) latipennis.

minor SCUDD., Rep. U. S. geol. surv. Nebr., 251 (1871), *Nebr.*

musarum. See Mantis (Stagmatoptera) musarum.

septentrionalis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 186-187, pl. 8, fig. 2 (1894), *Pan., Colomb., Venez.*

tolteca. See Mantis (Stagmatoptera) tolteca.

Stagmomantis

androgyna SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 147, pl. 7, fig. 1 (1894), *Brit. Hond.*

azteca SAUSS., Mitth. schweiz. ent. ges., iii, 66 (1869), *Mex.*

caerulans SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 145, pl. 9, fig. 9 (1894), *Centr. Amer.*

carolina SAUSS., Mitth. schweiz. ent. ges., iii, 65 (1869), *N. A.*; Mant. amér., 46-48 (1871), *East. N. A., below 40° N. lat., Ill., Tenn., Car., Mex.*; Miss. scient. Mex., Rech. zool., vi, 247-248, pl. 5, fig. 5, pl. 6, fig. 12 (1872), *Mex., Amér. centr.* — THOM., Bull. Ill. mus. nat. hist., i, 60 (1876), *Ill.* — SCUDD., Psyche, ii, 154 (1878), *Fla.* — BORRE, Ann. soc. ent. Belg., xxvii, 64 (1883), *N. A., Surinam*; Liste Mant., 7 (1883), *Id.* — WESTW., Rev. Mant.,

14 (1889), *N. A., Ill., Car., Mex.* — SMITH, Cat. ins. N. J., 407 (1890), *N. J.* — McNEILL, *Psyche*, vi, 78 (1891), *Ill.* — GARM., *Orth. Ky.*, 3, 10 (1891), *Ky.* — How., *Ins. life*, iv, 243-245, figs. 29, 31 (1892). — RIL., *Ibid.*, v, 145 (1892) — How., *Ent. news*, iii, 47 (1892). — BRUN., *Publ. Nebr. acad. sc.*, iii, 21 (1893), *Nebr.* — ASHM., *Ins. life*, vii, 25 (1894), *Miss.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 143 (1894), *La., Car., Tenn., Tex., Mex.* — SCUDD., *Can. ent.*, xxviii, 210-211, 214, 215 (1896), *U. S., Mex., Cuba, S. A.* — BLATCHL. *Ibid.*, xxviii, 265 (1896), *Ind.* — SCUDD., *Psyche*, viii, 11 (1897). — BLATCHL. *Orth. Ind.*, 20 (1897), *Id.* — LAUR., *Ent. news*, x, 79 (1899), *Penn.* — SLING., *Ibid.*, x, 288-289 (1899), *N. Y.* — SCUDD., *Cat. Orth. U. S.*, 12 (1900), *South. U. S.* — How., *Bull. div. ent. U. S. dep. agric.*, n. s., xxii, 108 (1900), *Miss.* — SMITH, *Ins. N. J.*, 151, fig. 66 (1900), *N. J.* — HENSH., *Psyche*, ix, 119 (1900), *R. I.* — SLING., *Bull.* 185, *Corn. univ. agric. exp. st.*, 37, 40, 43 (1900), *South. st.*

See also *Mantis* (*Stagmomantis*) *carolina*.

dimidiata SAUSS., *Mant. amér.*, 48-50 (1871), *Penn. to Argent.*; *Miss. scient. Mex.*, *Rech. zool.*, vi, 248-249, pl. 5, fig. 6 (1872), *Mex., Antill., U. S.* — THOM., *Proc. Davenport acad. nat. sc.*, i, 249 (1876), *Col.* — BORRE, *Ann. soc. ent. Belg.*, xxvii, 64 (1883), *S. A., Mex., Antill., U. S.*; *Liste Mant.*, 7 (1883), *Id.* — BRUN., *Bull. Washb. coll.*, i, 193 (1886), *Kans.* — BOL., *Mém. soc. zool. France*, i, 135 (1888), *Cuba, Antill., Mex., U. S.*; *Orth. Cuba*, 20 (1888), *Id.* — WESTW., *Rev. Mant.*, 14 (1889), *Penn. to Argent.* — GUNDL., *Ent. cub.*, ii, 323, 386 (1890), *Cuba.* — SMITH, *Cat. ins. N. J.*, 407 (1890), *N. J.* — COCK., *Journ. inst. Jam.*, i, 258 (1893), *Jam.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 21 (1893), *Nebr.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 144 (1894), *Tex., Mex., Guat., Costa Rica, Pan., Ecuador, Antill.* — SMITH, *Ins. N. J.*, 151 (1900), *N. J.*

domingensis SAUSS., *Mitth. schweiz. ent. ges.*, iii, 65 (1869), *Cuba*; *Mant. amér.*, 50-52 (1871), *Antill., Cuba, St. Dom., Brazil*; *Miss. scient. Mex.*, *Rech. zool.*, vi, 245-247 (1872), *Antill., Cuba.* — BOL., *Mém. soc. zool. France*, i, 134-135 (1888), *Id.*; *Orth. Cuba*, 19-20 (1888), *Id.* — WESTW., *Rev. Mant.*, 14, 36, pl. 4, fig. 3, pl. 12, fig. 5 (1889), *Cuba, St. Dom., Brazil.* — GUNDL., *Ent. cub.*, ii, 322-323 (1890), *Cuba, Jam., St. Dom.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 146 (1894), *Antill., Brazil.*

ferox SAUSS., *Mitth. schweiz. ent. ges.*, iii, 65 (1869), *Cuba.*

fraterna SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 144-145, pl. 9, figs. 7, 8 (1894), *Mex., Brit. Hond., Guat.*

heterogamia SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 142-143, pl. 7, figs. 2, 3 (1894), *Pan.*

latipennis SAUSS., *Mant. amér.*, 52-53 (1871), *Mex.* — WESTW., *Rev. Mant.*, 14, 36, pl. 9, figs. 4, 5 (1889), *Id.*

limbata SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 249-251, pl. 6, figs. 11, 11a (1872), *Mex., Guat.* — BORRE, *Ann. soc. ent. Belg.*, xxvii, 65 (1883), *Id.*; *Liste Mant.*, 8 (1883), *Id.* — SAUSS.-ZEHNEN., *Biol. centr. amer.*, *Orth.*, 146 (1894), *Mex.* — SCUDD., *Can. ent.*, xxviii, 211 (1896), *Tex., Mex., Ariz.*,

N. Mex.; Cat. Orth. U. S., 12-13 (1900), *Tex. to Ariz.* — REHN, Trans. amer. ent. soc., xxvii, 85 (1900), *Mex.*

maya SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 145, pl. 9, figs. 5, 6 (1894), *Mex., Brit. Hond., Guat.*

minor SAUSS., Mant. amér., 54 (1871), *Nebr.* — WESTW., Rev. Mant., 14 (1889), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Id.*

montana SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 146, pl. 9, fig. 4 (1894), *Mex., Guat.*

nahua SAUSS., Mitth. schweiz. ent. ges., iii, 65 (1869), *Mex.*; Mant. amér., 45-46 (1871), *Id.*; Miss. scient. Mex., Rech. zool., vi, 244-245, pl. 6, figs. 14, 15 (1872), *Id.* — WESTW., Rev. Mant., 14 (1889), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 142 (1894), *Mex., Guat., Costa Rica.*

tolteca SAUSS., Mitth. schweiz. ent. ges., iii, 65 (1869), *Mex.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 143-144 (1894), *Tex., Mex., Guat., Nicar., Costa Rica, Pan.*

venusta SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 145, pl. 7, figs. 4, 5 (1894), *Guat.*

vicina SAUSS., Miss. scient. Mex., Rech. zool., vi, 245 (1872), *Guat.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 142 (1894), *Id.* — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 60 (1895), *Nicar.*

Stauronotus

elliotti THOR., Proc. acad. nat. sc. Philad., 1870, 82-83 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 266, 277 (1871), *Col., Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 11 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 139 (1873), *Col., Wyo., Mont.*; Proc. Davenp. acad. nat. sc., i, 259 (1876). — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Col., Wyo., Mont.* — COCK., Ent., xxi, 301 (1888), *Col.*

Steiroxys

bilineata THOM., Rep. U. S. geol. surv. w. 100 mer., v, 905-906 (1875), *San Carlos.*

borealis SCUDD., Can. ent., xxvi, 182 (1894), *Cala., Or., Alberta*; Cat. Orth. U. S., 78 (1900), *Id.*

hermani THOM., [-mannii] Rep. U. S. geol. surv. w. 100 mer., v, 904-905, pl. 44, fig. 4 (1875), *West. U. S.*; [-mannii] Proc. Davenp. acad. nat. sc., i, 263 (1876), *Yellowstone Park.*

melanopleura SCUDD., Ann. rep. chief eng., 1876, 500 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer. 1876, 280 (1876), *Id.*

pallidipalpus SCUDD., Can. ent., xxvi, 182, 183 (1894), *Utah, Idaho, Nev.*; Cat. Orth. U. S., 78 (1900), *Id.*

trilineata HERM., Verh. zool.-bot. ges. Wien, xxiv, 207, pl. 5, figs. 64-69 (1874), *Utah.* — SCUDD., Can. ent., xxvi, 182, 183 (1894), *Wyo., Utah*; Cat. Orth. U. S., 79 (1900), *Wyo., Utah, Col., N. Mex.*

Stenacris

chlorizans WALK., Cat. Derm. salt. Brit. mus., iv, 652-653 (1870), *Fla.*

Stenaphonus

macilentus SAUSS., Biol. centr. amer., Orth., 282-283 (1897), *Pan., Colomb.*

See also Aphonus (Stenaphonus) macilentus.

Stenobothrus

admirabilis UHL., Proc. ent. soc. Philad., ii, 553-555 (1864), *Md.* — WALK., Cat. Derm. salt. Brit. mus., iv, 753 (1870), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 13 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 84 (1873), *Md., D. C., Ill., Kans.*; Key Ill. Orth., 3 (1875 ?) *Ill.*; Bull. Ill. mus. nat. hist., i, 61 (1876), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 55 (1883), *E. of Rocky Mts.*

aequalis SCUDD., Bost. journ. nat. hist., vii, 459-460 (1862), *Mass., Me., N. Y., Minn.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 21 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 89 (1873), *Id.* — SCUDD., Hitchc., Rep. geol. N. H., i, 373 (1874), *N. H., N. E., N. Y., mid. st., Minn.* — THOM., Key Ill. Orth., 3 (1875 ?), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Pembina.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Mass., Me., N. Y., Minn.*; Can. ent., xvii, 10 (1885), *Wash.*; Bull. Washb. coll., i, 131 (1885), *Kans.* — LINTN., Rep. ins. N. Y., ii, 196 (1885), *N. Y.* — BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890); *Ibid.*, xc, 31 (1892), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — MORSE, Psyche, vi, 478-479, figs. 5, 6 (1893), *N. E.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MORSE, Psyche, vii, 14, 104 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 294, fig. 9 (1894), *N. Y.* — DAV., Proc. nat. sc. ass. Staten Isl., v, 97 (1896), *Staten Is.*

aequalis bilineatus MORSE, Psyche, vii, 104 (1894), *N. E.*

arctatus WALK., Cat. Derm. salt. Brit. mus., iv, 761 (1870), *Hond.* — THOM., Rep. U. S. geol. surv. terr., v, 208 (1873), *Id.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 245 (1897), *Id.*

bicolor THOM., Ann. rep. U. S. geol. surv. terr., v, 465-466 (1872), *Col., Wyo.*

bilineatus SCUDD., Bost. journ. nat. hist., vii, 460-461 (1862), *Mass.* — WALK., Cat. Derm. salt. Brit. mus., iv, 754 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 90 (1873), *Id.* — SCUDD., Jones, Guide Berm., 144 (1876), *Bermuda.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Mass.* — LINTN., Rep. ins. N. Y., ii, 195 (1885), *N. Y.*

See also Stenobothrus aequalis bilineatus.

brunneus THOM., Ann. rep. U. S. geol. surv. terr., ii, 266, 280 (1871), *Col.,*

- Wyo.*; Rep. U. S. geol. surv. terr., v, 93 (1873), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 12 (1874). — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Col.*, *Wyo.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 260, 263 (1897), *Nebr. to Sierra Nevada, Col.*
- carpenterii* THOM., Proc. Davenp. acad. nat. sc., i, 251 (1876), *Col.*
- clavatus* BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Kans.*
- clepsydra* BRUN., Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.*
- coloradensis* MCNEILL, Proc. Davenp. acad. nat. sc., vi, 260, 262-263, pl. 5, figs. 25, 25ab (1897), *East. slope Rocky Mts., s. to Utah, Col., w. to Sierra Nevada.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.*
- coloradus* THOM., Rep. U. S. geol. surv. terr., v, 82-83 (1873), *Col.*, *Wyo.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 13 (1874). — THOM., Proc. Davenp. acad. nat. sc., i, 251 (1876), *Wyo.*; Ann. rep. chief eng., 1878, 1843 (1878), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Col.*, *Wyo.*; Can. ent., xvii, 10 (1885), *Wash.*; Bull. Washb. coll., i, 131 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — KOEN., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Calif.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*
- coloradus unicolor* THOM., Rep. U. S. geol. surv. terr., v, 83 (1873), *Wyo.*; Rep. U. S. geol. surv. w. 100 mer., v, 873 (1875), *West. U. S.*
- conspersus* WALK., Cat. Derm. salt. Brit. mus., iv, 755 (1870), *Me.*
- curtipennis* SCUDD., Can. nat., vii, 286 (1862), *Manit.*; Bost. journ. nat. hist., vii, 456 (1862), *Mass., Me., Conn., Manit.*; Proc. Bost. soc. nat. hist., xi, 312 (1868), *N. E.*; Amer. nat., ii, 118 (1868), *Id.* — SMITH, Proc. Portl. soc. nat. hist., i, 147 (1868), *Me.* — PACK., Guide ins., 569 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., iv, 754 (1870), *U. S., Hudson Bay, Nova Scotia, arct. Amer., Newfoundland*; Can. ent., iv, 31 (1872), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 6, fig. 15, pl. 7, fig. 10, pl. 10, fig. 4, pl. 12, fig. 18 (1872). — SMITH, Rep. Conn. bd. agric., 1872, 376, 382 (1872), *N. E., Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 91 (1873), *Me., Mass., Conn., Manit., Ill., Col., Wyo., Penn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 372, fig. 57 (1874), *Me. to Manit., s. to Penn., Ill., Col., Wyo.* — THOM., Key Ill. Orth., 3 (1875 ?), *Ill.*; Rep. U. S. geol. surv. w. 100 mer., v, 872 (1875), *West. U. S.*; Bull. Ill. mus. nat. hist., i, 61 (1876) *Ill.* — PROV., Nat. can., viii, 134 (1876), *Can.*; Faune ent. Can., ii, 43 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 482 (1878), *Dak., Mont.*; Ann. rep. chief eng., 1878, 1844 (1878), *Col.*; Rep. ent. Ill., ix, 88, 93, 104 (1880), *Ill.* — SCUDD., Rep. U. S. ent. comm., ii, App., 25 (1881), *Nev.* — BRUN., Ibid., iii, 55 (1883), *Nebr., N. A., e. of Rocky Mts.* — RIL., Stand. nat. hist., ii, 202 (1884), *East. U. S.* — LINTN., Rep. ins. N. Y., ii, 196-197 (1885), *N. Y.* — BRUN., Can. ent., xvii, 10 (1885), *Wash.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — CAULE., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 400 (1887), *Can.*; Can. Orth., 12-13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.* — COMST., Intr. ent., 102 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 121 (1888), *N. E.*; Orth. N. E., 37 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.*

— McNEILL, *Psyche*, vi, 65 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa*. — SMITH, *Bull. N. J. exp. st.*, xc, 31 (1892), *N. J.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 76, fig. 52 (1893). — MORSE, *Psyche*, vi, 406 (1893), *Mass.*; *Ibid.*, vii, 14, 104 (1894), *N. E.* — COCK., *Trans. amer. ent. soc.*, xx, 337 (1894), *Col.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 294-295 (1894), *N. Y.* — MORSE, *Psyche*, vii, 327, 420-422, pl. 7, fig. 12 (1896), *N. E.* — PIERS., *Trans. Nova Scot. inst. sc.*, ix, 213 (1896), *Nova Scotia*. — McNEILL, *Proc. Davenp. acad. nat. sc.*, vi, 260-262 (1897), *N. Atl. and n. centr. st., Can. w. to Manit.* — HARV.-KNIGHT, *Psyche*, viii, 78 (1897), *Me.* — SCUDD., *Ibid.*, viii, 99-100 (1897), *N. H.*, *Vt.* — BALL, *Proc. Iowa acad. sc.*, iv, 239 (1897), *Iowa*. — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 129 (1897), *Nebr.* — SCUDD., *Appal.*, viii, 304-305 (1898), *E. of Rocky Mts., n. of Ohio Riv.*; *Alp. Orth. N. A.*, 6-7 (1898), *Id.* — BLATCHL., *Can. ent.*, xxx, 63 (1898), *Ind.* — LUGG., *Orth. Minn.*, 128-129, figs. 75, 76 (1898), *Minn.* — WALK., *Can. ent.*, xxx, 126 (1898), *Ont.* — SCUDD., *Proc. amer. acad. arts sc.*, xxxv, 50 (1899), *Iowa, Nebr., Col., Utah, Yellowstone, Newfoundland*; *Cat. Orth. U. S.*, 26 (1900), *North. U. S. and Can. e. Sierra Nev.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 43 (1900), *N. H.* — SCUDD., *Psyche*, ix, 101 (1900), *N. E.*

curtipennis longipennis MORSE, *Psyche*, vii, 104 (1894), *N. E.* — HARV.-KNIGHT, *Ibid.*, viii, 78 (1897), *Me.* — SMITH, *Ins. N. J.*, 155 (1900), *N. J.*

decisus WALK., *Cat. Derm. salt. Brit. mus.*, iv, 757 (1870), *St. Dom.* — THOM., *Rep. U. S. geol. surv. terr.*, v, 207 (1873), *Id.* — McNEILL, *Proc. Davenp. acad. nat. sc.*, vi, 245 (1897), *Id.*

gracilis SCUDD., *Rep. U. S. geol. surv. Nebr.*, 250 (1871), *Nebr.* — THOM., *Rep. U. S. geol. surv. terr.*, v, 94 (1873), *Id.* — BRUN., *Can. ent.*, ix, 144 (1877), *Id.*; *Rep. U. S. ent. comm.*, iii, 56 (1883), *Id.*; *Rep. U. S. ent.*, 1885, 307 (1886), *Yellowstone*; *Publ. Nebr. acad. sc.*, iii, 23 (1893), *Nebr.*

gregarius WALK., *Cat. Derm. salt. Brit. mus.*, iv, 757 (1870), *St. Thom.* — THOM., *Rep. U. S. geol. surv. terr.*, v, 206 (1873), *St. Thom., Haiti.*

laetus UHL., *Bull. U. S. geol. surv. terr.*, iii, 792-793 (1877), *Col.*

longipennis SCUDD., *Bost. journ. nat. hist.*, vii, 547-548 (1862), *Mass.* — WALK., *Cat. Derm. salt. Brit. mus.*, iv, 754 (1870), *Arct. Amer., Mass., Me.* — GLOV., *Ill. N. A. ent., Orth.*, pl. 5, fig. 15 (1872). — PROV., *Nat. can.*, viii, 135 (1876), *Can.*; *Faune ent. Can.*, ii, 43 (1877), *Id.* — MORSE, *Psyche*, vii, 14 (1894).

See also Stenobothrus curtipennis longipennis.

maculipennis SCUDD., *Bost. journ. nat. hist.*, vii, 458-459 (1862), *Mass.* — SMITH, *Proc. Portl. soc. nat. hist.*, i, 148 (1868), *Me.* — WALK., *Cat. Derm. salt. Brit. mus.*, iv, 754 (1870), *Mass., Arct. Amer.*; *Can. ent.*, iv, 31 (1872), *Arct. Amer.* — SMITH, *Rep. Conn. bd. agric.*, 1872, 376, 382 (1872), *N. E., Conn.* — GLOV., *Ill. N. A. ent., Orth.*, pl. 5, fig. 14 (1872). — THOM., *Rep. U. S. geol. surv. terr.*, v, 87 (1873), *Mass., Wyo., Minn., Nebr.* — SCUDD., *Hitchc.*, *Rep. geol. N. H.*, i, 373 (1874), *N. H. to Minn., Wyo., Nebr.* — THOM., *Key Ill. Orth.*, 3 (1875?), *Ill.*; *Bull. Ill. mus. nat. hist.*, i, 61 (1876), *Id.* — SCUDD., *Proc. Bost. soc. nat. hist.*, xix, 89 (1877), *Fla.* — BRUN., *Can. ent.*, ix, 144

(1877), *Nebr.* — SCUDD., Ent. notes, vi, 30 (1878), *Fla.* — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Pembina*; Ann. rep. chief eng., 1878, 1844 (1878), *Col.* — RIL., Rep. U. S. ent. comm., i, 256, figs. 10a-c (1878), *Minn.* — THOM., Rep. ent. Ill., ix, 83, 93, 102-103, figs. 12, 16a-c (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Fla., Mass., Wyo., Minn., Nebr.* — RIL., Stand. nat. hist., ii, 202, figs. 282a-c (1884). — LINTN., Rep. ins. N. Y., ii, 196, figs. 58a-c (1885), *N. Y.* — BRUN., Bull. Washb. coll., i, 131 (1885), *Kans.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.* — COMST., Intr. ent., 102 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 121, figs. 14a-c (1888), *N. E.*; Orth. N. E., 37, figs. 14a-c (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — UHL., Heilpr., Bern. Isl., 157 (1889), *Bern.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — MCNEILL, Psyche, iv, 65 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 4, 12, 31, fig. 41, pl. 1 (1892), *N. J., Cape Cod.* — MORSE, Psyche, vi, 478-479, figs. 3, 4 (1893), *N. E.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MORSE, Psyche, vii, 14, 105 (1894), *N. E.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 293-294, fig. 7, pl. 8, fig. 4 (1894), *N. Y.* — FOGG, Proc. Manch. inst. arts sc., i, 43 (1900), *N. H.*

melanopleura SCUDD., Bost. journ. nat. hist., vii, 456-457 (1862), *Me.*; Proc. Bost. soc. nat. hist., xi, 312-313 (1868), *N. E.*; Amer. nat., ii, 118 (1868), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 754 (1870), *Me., Mass.*

mexicanus WALK., Cat. Derm. salt. Brit. mus., iv, 756 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 207 (1873), *Id.* — MCNEILL, Proc. Davenp. acad. nat. sc., vi, 245 (1897), *Id.*

mystecus WALK., Cat. Derm. salt. Brit. mus., iv, 756 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 205 (1873), *Id.*

nobilis WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 79 (1871), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 209 (1873), *Id.*

obionus THOM., Ann. rep. U. S. geol. surv. terr., ii, 266, 279 (1871), *Col.*

occidentalis WALK., Cat. Derm. salt. Brit. mus., iv, 755, 756 (1870), *Tenn.* — THOM., Rep. U. S. geol. surv. terr., v, 92 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*

occipitalis THOM., Rep. U. S. geol. surv. terr., v, 81-82 (1873), *Col., Wyo., Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 17, fig. 13 (1894). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 872 (1875), *West. U. S.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Col., Wyo., Idaho*; Bull. div. ent. U. S. dep. agric., iv, 58 (1884), *Wyo.* — RIL., Stand. nat. hist., ii, 202 (1884), *Rocky Mts.*

olivaceus MORSE, Psyche, vi, 477-478, figs. 1, 2 (1893), *Conn.*; Ibid., vii, 105 (1894), *N. E.* — BEUT., Bull. amer. mus. nat. hist., vi, 294, fig. 8 (1894), *Conn., N. J.*

oregonensis SCUDD., Proc. amer. acad. arts sc., xxxv, 50-51 (1899), *Or., Cala.*; Cat. Orth. U. S., 26 (1900), *Id.*

pelidnus THOM., Rep. U. S. geol. surv. terr., v, 95 (1873), *Penn.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — MORSE, Psyche, vii, 104 (1894), *N. E.*

propinquans SCUDD., Bost. journ. nat. hist., vii, 46 (1862), *Conn., Minn.* — WALK., Cat. Derm. salt. Brit. mus., iv, 754 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 90 (1873), *Id.*; Key Ill. Orth., 3 (1875?), *Ill.* — PROV., Faune ent. Can., ii, 43 (1877), *Quebec.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Pembina.* — SCUDD., Rep. U. S. ent. comm., ii, App., 25 (1881), *Utah.* — BRUN., *Ibid.*, iii, 55 (1883), *Utah, Nebr.* — LINTN., Rep. ins. N. Y., ii, 196 (1885), *N. Y.* — CAULF., Can. rec. sc., ii, 400 (1887), *Quebec*; Can. Orth., 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 70 (1888), *Id.* — SMITH, Cat. ins. N. J., 412 (1890), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*

punctulatus WALK., Cat. Derm. salt. Brit. mus., iv, 755 (1870), *Conn.*

quadrimaculatus THOM., Ann. rep. U. S. geol. surv. terr., ii, 266, 280 (1871), *Col., Wyo.*; Rep. U. S. geol. surv. terr., v, 93 (1873), *Id.* — GLOV., Ill. N. A. ent., Orth., pl. 16, figs. 6, 7 (1874). — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone*; Bull. Washb. coll., i, 199 (1886), *Kans., Dak., Mont., Brit. Amer.*

sordidus MCNEILL, Proc. Davenport. acad. nat. sc., vi, 260, 263-264, pl. 5, fig. 25c (1897), *Idaho.*

speciosus SCUDD., Proc. Bost. soc. nat. hist., vii, 458 (1862), *Minn.* — WALK., Cat. Derm. salt. Brit. mus., iv, 754 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 87 (1873), *Id.*; Bull. U. S. geol. surv. terr., iv, 484 (1878), *Pembina.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Minn.*

subconsersus WALK., Cat. Derm. salt. Brit. mus., iv, 755 (1870), *Fla.* — THOM., Rep. U. S. geol. surv. terr., v, 86 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Id.*

tepanecus WALK., Cat. Derm. salt. Brit. mus., iv, 756 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 206 (1873), *Id.*

tricarínatus THOM., Rep. U. S. geol. surv. terr., v, 84 (1873), *Wyo.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Rep. U. S. ent. comm., iii, 55 (1883), *Wyo.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.*

unicolor. See *Stenobothrus coloradus unicolor.*

viatorius WALK., Cat. Derm. salt. Brit. mus., iv, 756 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 206 (1873), *Id.*

viridis WALK., Cat. Derm. salt. Brit. mus., iv, 755 (1870), *Conn.*

viridissimus WALK., Cat. Derm. salt. Brit. mus., iv, 761 (1870), *Ind.* — THOM., Rep. U. S. geol. surv. terr., v, 209 (1873), *Id.* — MCNEILL, Proc. Davenport. acad. nat. sc., vi, 245 (1897), *Id.*

Stenobothrus (**Rhammatocerus**)

gregarius SAUSS., Rev. mag. zool., 1861, 318 (1861), *St. Thom., Haiti*; Orth. nova amer., ii, 20 (1861), *Id.*

mystecus SAUSS., Rev. mag. zool., 1861, 317 (1861), *Mex.*; Orth. nova amer., ii, 19 (1861), *Id.*

occidentalis SAUSS., Rev. mag. zool., 1861, 317 (1861), *Tenn.*; Orth. nova amer., ii, 19 (1861), *Id.*

tapanecus SAUSS., Rev. mag. zool., 1861, 319 (1861), *Mex.*; Orth. nova amer., ii, 21 (1861), *Id.*

vijatorius SAUSS., Rev. mag. zool., 1861, 317 (1861), *Mex.*; Orth. nova amer., ii, 20 (1861), *Id.*

Stenogryllus

phthisicus SAUSS., Mém. soc. phys. hist. nat. Gen., xxv, 555, pl. 17, fig. 53 (1878), *Antill., St. Dom.*; Mél. orth., ii, 695, pl. 17, fig. 53 (1878), *Id.*

Stenopelmatus

ater SAUSS.-PICT., Biol. centr. amer., Orth., 291, pl. 14, figs. 8, 9 (1897), *Costa Rica.*

calcaratus GRIFF., Boll. mus. zool. univ. Tor., viii, no. 154, 2-3, figs. 2, 3 (1893), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 289 (1897), *Id.*

californicus BRUNN., Verh. zool.-bot. ges. Wien, 1888, 211, figs. 1abc (1888), *Vanc.*; Mon. Stenop., 17, figs. 1abc (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 289 (1897), *Id.* — SCUDD., Can. ent., xxxi, 114, 115 (1899), *Or., Cala.*; Cat. Orth. U. S., 79 (1900), *Brit. Col. to Cala.*

cephalotes WALK., Cat. Derm. salt. Brit. mus., i, 195 (1869), *West coast Amer.*

comanchus SAUSS.-PICT., Biol. centr. amer., Orth., 290 (1897), *Durango.*

erythromelas WALK., Cat. Derm. salt. Brit. mus., i, 193 (1869), *Mex.*

fasciatus THOM., Ann. rep. U. S. geol. surv. terr., v, 434 (1872), *Wyo., Utah, Idaho, Tex.* — GLOV., Ill. N. A. ent., Orth., pl. 13, fig. 7, pl. 14, fig. 7 (1874). — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 902 (1875), *West. U. S.*; Proc. Davenp. acad. nat. sc., i, 264 (1876), *Wyo.* — PUTN., Ibid., i, 266 (1876), *Utah.* — RIL., Rep. U. S. ent. comm., i, 327 (1878), *Utah*; Stand. nat. hist., ii, 185 (1884), *Idaho, Utah*; Ins. life, iii, 336 (1891), *Mont.* — SCUDD., Can. ent., xxxi, 114, 115 (1899), *Idaho*; Cat. Orth. U. S., 79 (1900), *Id.*

fuscus HALD., Stansb., Expl. Utah, 372 (1852), *N. Mex., Mex.* — WALK., Cat. Derm. salt. Brit. mus., i, 191 (1869), *Utah.*

guatemalae BRUNN., Verh. zool.-bot. ges. Wien, 1888, 262 (1888), *Guat.*; Mon. Stenop., 18 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 290-291 (1897), *Id.*

histrio SAUSS., Rev. mag. zool., 1859, 210 (1859), *Mex.*; Orth. nova amer., i, 14 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 192 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 262 (1888), *Id.*; Mon. Stenop., 18 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 290, pl. 14, fig. 5 (1897), *Id.* — SCUDD., Can. ent., xxxi, 114, 116 (1899), *Cala., Mex.*; Cat. Orth. U. S., 79 (1900), *Cala.*

hydrocephalus BRUNN., Verh. zool.-bot. ges. Wien, 1888, 261-262 (1888), *Cala.*; Mon. Stenop., 17-18 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 290, pl. 14, fig. 4 (1897), *Id.*

irregularis BRUNN., Verh. zool.-bot. ges. Wien, 1888, 261 (1888), *Mt. zatlán, Ariz., Cala.*; Mon. Stenop., 17 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer. Orth., 289 (1897), *Id.*, *Sonora.* — SCUDD., Can. ent., xxxi, 114, 115 (1899), *Nev., Cala.*; Cat. Orth. U. S., 80 (1900), *Ariz., Cala., Nev.*

lessonae GRIFF., Boll. mus. zool. univ. Tor., viii, no. 154, 3-4 (1893), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 288-289 (1897), *Id.*

longispina BRUNN., Verh. zool.-bot. ges. Wien, 1888, 260-261, fig. 1d (1888), *Vanc.*; Mon. Stenop., 16-17, fig. 1d (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 289 (1897), *Id.* — SCUDD., Can. ent., xxxi, 114-115 (1899), *Or., Cala.*; Cat. Orth. U. S., 80 (1900), *Brit. Col. to Cala.*

lycosoides WALK., Cat. Derm. salt. Brit. mus., i, 193-194 (1869), *Mex.*

mexicanus SAUSS., Rev. mag. zool., 1859, 209 (1859), *Mex.*; Orth. nova amer., i, 12 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 191 (1869), *Id.*; *Ibid.*, v, Suppl., 21 (1871), *Id.*

minor SAUSS., Rev. mag. zool., 1859, 210 (1859), *Mex.*; Orth. nova amer., i, 13 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 192 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 263 (1888), *Guat., Mex.*; Mon. Stenop., 19 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 291 (1897), *Id.*

nietoi SAUSS., [-ti] Rev. mag. zool., 1859, 210 (1859), *Mex.*; [-ti] Orth. nova amer., i, 13 (1859), *Id.* — WALK., [-ti] Cat. Derm. salt. Brit. mus., i, 192 (1869), *Id.* — BRUNN., [-ti] Verh. zool.-bot. ges. Wien, 1888, 263 (1888), *Id.*; [-ti] Mon. Stenop., 19 (1888), *Id.* — SAUSS.-PICT., [-ti] Biol. centr. amer., Orth., 291, pl. 14, figs. 6, 7 (1897), *Id.*

oculatus SCUDD., Bull. U. S. geol. surv. terr., ii, 261 (1876), *Utah.* — RIL.; Stand. nat. hist., ii, 185 (1884), *Col.* — BRUN., Publ. Nebr. acad. sc., iii, 32 (1893), *Nebr.* — SCUDD., Can. ent., xxxi, 114, 115-116 (1899), *Nebr., Wyo., Utah, Nev., Wash., Cala., Ariz., N. Mex.*; Cat. Orth. U. S., 80 (1900), *U. S. w. 100 mer.*

pictus SCUDD., Can. ent., xxxi, 114, 116-117 (1899), *Cala.*; Cat. Orth. U. S., 80 (1900), *Id.*

politus WALK., Cat. Derm. salt. Brit. mus., i, 193 (1869), *Orizaba.*

sallei SAUSS., Rev. mag. zool., 1859, 210 (1859), *Mex.*; Orth. nova amer., i, 13 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 191 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 263-264 (1888), *Id.*; Mon. Stenop., 19-20 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 291-292, pl. 14, figs. 10, 11 (1897), *Mex., Guat.*

sartorianus SAUSS., Rev. mag. zool., 1859, 211 (1859), *Mex.*; Orth. nova amer., i, 14 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 192 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 264 (1888), *Mex., Guat.*; Mon. Stenop., 20 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 292 (1897), *Mex., Guat., Costa Rica.*

humichrasti SAUSS., Rev. mag. zool., 1859, 210 (1859), *Mex.*; Orth. nova amer., i, 13 (1859), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 192 (1869), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 200 (1888), *Id.*; Mon. Stenop., 16 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 288 (1897), *Id.*

talpa BURM., Handb. ent., ii, 721 (1838), *Mex.* — HALD., Stansb., Expl. Utah, 372 (1852), *Jalapa.* — WALK., Cat. Derm. salt. Brit. mus., i, 191 (1869), *Mex.*, *Lower Cal.* — GLOV., Ill. N. A. ent., Orth., pl. 1, fig. 9 (1872). — SCUDD., Ann. rep. chief eng., 1876, 499 (1876), *Cal.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279 (1876), *Id.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 260, fig. 1e (1888), *Mex.*; Mon. Stenop., 16, fig. 1e (1888), *Id.* — RIL., N. A. fauna, vii, 251 (1893), *Cal.* — SAUSS.-PICT., Biol. centr. amer., Orth., 288, pl. 14, figs. 1-3 (1897), *Mex.* — REHN, Trans. amer. ent. soc., xxvii, 88 (1900), *Id.*

vicinus BRUNN., Verh. zool.-bot. ges. Wien, 1888, 202 (1888), *Guat.*; Mon. Stenop., 18 (1888), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 290 (1897), *Id.*

Stenopola

xanthochlora GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 4 (1897), *Darien.*

Stenovates

pantherina SAUSS., Miss. scient. Mex., Rech. zool., vi, 287-288 (1872), *Amér. centr.*; Mém. soc. phys. hist. nat. Gen., xxiii, 84, pl. 9, figs. 31, 31a (1872), *Id.*; Mém. orth., ii, 84, pl. 9, figs. 31, 31a (1872), *Id.* — WESTW., Rev. Mant., 25 (1889), *Id.*

Stetheophyma

brachypterum BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.*, *Dak.*

doranii GOD., Ent. amer., vi, 13-14 (1890), *Tenn.*

fuscum BOL., Mém. soc. zool. France, i, 143 (1888), *Europe*, *Cuba*; Orth. Cuba, 28 (1888), *Id.* — GUNDL., Ent. cub., ii, 338-339 (1890), *Cuba.*

gracile THOM., Rep. U. S. geol. surv. terr., v, 99 (1873), *Me.*, *Maine.* — GLOV., Ill. N. A. ent., Orth., pl. 17, fig. 8 (1874). — THOM., Bull. Ill. mus. nat. hist., i, 62 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Me.*, *Brit. Amer.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MORSE, Psyche, vii, 105 (1894), *N. E.*

lineatum THOM., Rep. U. S. geol. surv. terr., v, 98-99 (1873), *Mass.* — GLOV., Ill. N. A. ent., Orth., pl. 18, fig. 9 (1874). — THOM., Rep. ent. Ill., ix, 93, 104-105 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Mass.* — FERN., Ann. rep. Mass. agric. coll., xxv, 122 (1888), *N. E.*; Orth. N. E., 38 (1888), *Id.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — MORSE, Psyche, vii, 105 (1894), *N. E.*

platypterum THOM., Rep. U. S. geol. surv. terr., v, 99-100 (1873), *N. E.*
— BRUNN., Rep. U. S. ent. comm., iii, 56 (1883), *Id.* — MORSE, Psyche, vii, 105
(1894), *Id.*

variegatum WALK., Cat. Derm. salt. Brit. mus., iv, 781-782 (1870),
Alps, Italy, Switzerland, N. A. — THOM., Rep. U. S. geol. surv. terr., v, 210
(1873).

Sticthippus

See Hippiscus (Sticthippus).

Stigmatoptera

See Stigmatoptera.

Stilpnochlora

azteca BRUNN., Mon. Phaner., 360 (1878), *Mex., Guat.* — SAUSS.-PICT.,
Biol. centr. amer., Orth., 368, 369, pl. 17, figs. 21-23 (1898), *Mex., Guat.,*
Costa Rica. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 52 (1900),
Costa Rica. — REHN, Ent. stud., i, 13 (1900), *Mex.*; Trans. amer. ent. soc.,
xxvii, 88 (1900), *Id.*

couloniana BRUNN., [-onia] Mon. Phaner., 359 (1878), *Cuba, Jam.* —
BOL., Mém. soc. zool. France, i, 148 (1888), *Cuba*; Orth. Cuba, 33 (1888), *Id.*
— GUNDL., Ent. cub., ii, 353-354 (1890), *Id.*

marginella STÅL, Öfv. vet.-akad. forh., xxx, no. 4, 40 (1873). — BRUNN.,
Mon. Phaner., 359, pl. 8, fig. 108 (1878), *Brazil, Peru, Cuba, Surinam, Bogota.*
— BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 211 (1892), *St. Vinc., Mex.,*
Pan., Colomb., Venez., Surinam, Brazil, Peru, Cuba. — BRUNN., *Ibid.*, 1893,
607 (1893), *Grenada, St. Vinc., S. A.* — SAUSS.-PICT., Biol. centr. amer., Orth.,
368 (1898), *Mex., Guat., Nicar., Costa Rica, Pan., Cuba, S. A.* — SCUDD.,
Cat. Orth. U. S., 68 (1900), *Fla. keys.* — BIOLL., Inf. mus. nac. Costa Rica,
1899-1900, 52 (1900), *Costa Rica.*

tolteca BRUNN., Mon. Phaner., 360 (1878), *Mex.* — SAUSS.-PICT., Biol.
centr. amer., Orth., 368-369, pl. 17, figs. 19, 20 (1898), *Mex., Guat., Costa*
Rica. — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 52 (1900), *Costa Rica.*

Stipator

americanus REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

cragini REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

haldemanii REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

minutus REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

scudderi REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

stevensoni REHN, Trans. amer. ent. soc., xxvii, 90 (1900).

Stirapleura

decussata SCUDD., Ann. rep. chief eng., 1876, 510 (1876), *Col.*; Ann. rep. U. S. geol. surv. w. 100. mer., 1876, 290 (1876), *Id.*; Rep. U. S. ent. comm., ii, App., 26 (1881), *Mont.* — BRUN., Ibid., iii, 57 (1883), *Col., Mont.*; Publ. Nebr. acad. sc., iii, 23 (1893), *Nebr.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 271-272, pl. 6, figs. 30, 30ab (1897), *Col., Wyo., N. Mex., Ariz., Mont.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 129 (1897), *Nebr.* — SCUDD., Cat. Orth. U. S., 27 (1900), *Rocky Mt. region.*

delicatula McNEILL, Proc. Davenp. acad. nat. sc., vi, 271, 272 (1897), *Col., Cal.* — SCUDD., Cat. Orth. U. S., 28 (1900), *Col.*

eurotiae McNEILL, Proc. Davenp. acad. nat. sc., vi, 271, 272 (1897), *Laramie Riv.* — SCUDD., Cat. Orth. U. S., 28 (1900), *Col.*

ornata McNEILL, Proc. Davenp. acad. nat. sc., vi, 270, 271 (1897), *N. Mex.* — SCUDD., Cat. Orth. U. S., 28 (1900), *Id.*

pusilla SCUDD., Proc. amer. acad. arts sc., xxxv, 52-53 (1899), *N. Mex., Cal.*; Cat. Orth. U. S., 28 (1900), *Id.*

tenuicarina SCUDD., Proc. amer. acad. arts sc., xxxv, 53-54 (1899), *Tex.*; Cat. Orth. U. S., 28 (1900), *Id.*

texana McNEILL, Proc. Davenp. acad. nat. sc., vi, 271, 272, pl. 6, fig. 30c (1897), *Tex., Cal.*

Stratocles

cinctipes STÅL, Rec. Orth., iii, 96 (1875), *Pan.*

Stylopyga

antillarum BRUNN., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 204, pl. 15, fig. 5 (1892), *St. Vinc.*

decorata. See *Periplaneta (Stylopyga) decorata.*

occidentalis. See *Periplaneta (Stylopyga) occidentalis.*

orientalis SCUDD., Bost. journ. nat. hist., vii, 416 (1862), *Mass., N. Y., Md.* — SMITH, Proc. Portl. soc. nat. hist., i, 144 (1868), *Me.*; Rep. Conn. bd. agric., 1872, 378, 383 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 1, figs. 5, 6, pl. 7, fig. 12 (1872); Rep. U. S. dep. agric., 1873, 132, fig. 4 (1873), *U. S., India.* — PROV., Nat. can., viii, 21 (1876), *Europe, Amer.*; Faune ent. Can., ii, 9 (1877), *Id.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 402-403 (1887), *Can.*; Can. Orth., 15 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 73 (1893), *N. A., Mex., Centr. Amer., Antill.* — BEUT., Bull. amer. mus. nat. hist., vi, 260, pl. 5, figs. 2, 3 (1894), *N. Y.* — PIERS, Trans. Nova Scot. inst. sc., ix, 210 (1896), *Halifax.* — SCUDD., Cat. Orth. U. S., 9 (1900), *Seaboard*; Psyche, ix, 100

(1900), *N. E.* — SMITH, [-piga] *Ins. N. J.*, 150 (1900), *N. J.* — COCK., *Bull. N. Mex. coll. agric.*, xxxv, 22, fig. 9 (1900), *N. Mex.*

See also *Blatta* (*Stylopyga*) *orientalis* and *Periplaneta* (*Stylopyga*) *orientalis*.

rhombofolia. See *Periplaneta* (*Stylopyga*) *rhombofolia*.

Subria

gundlachi REDT., *Verh. zool.-bot. ges. Wien*, 1891, 434 (1891), *Cuba, Porto Rico*.

Symmetroleura

modesta BRUNN., *Mon. Phaner.*, 246 (1878), *Car.* — SCUDD., *Proc. amer. acad. arts sc.*, xxxiii, 287 (1898), *N. C.*; *Cat. Orth. U. S.*, 69 (1900), *Id.*

Syntechna

tarasca BRUNN., *Mon. Phaner.*, 348 (1878), *Mex.*, *Bogotá*. — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 366, pl. 17, figs. 14, 14a, 15 (1898), *Mex.*, *Costa Rica, Colomb.* — BIOLL., *Inf. mus. nac. Costa Rica*, 1899-1900, 52 (1900), *Costa Rica*.

Syrbula

acuticornis BRUN., *Proc. U. S. nat. mus.*, xii, 55 (1890), *Tex.* — MCNEILL, *Proc. Davenp. acad. nat. sc.*, vi, 221, 223, pl. 2, figs. 10, 10ab (1897), *Tex.*, *Ariz.* — SCUDD., *Cat. Orth. U. S.*, 20 (1900), *Id.*; *Psyche*, ix, 95 (1900), *N. Mex.*

admirabilis THOM., *Rep. ent. Ill.*, ix, 88, 93, 100-102 (1880), *Ill.* — BRUN., *Bull. Washb. coll.*, i, 131 (1885), *Kans.* — SMITH, *Cat. ins. N. J.*, 411 (1890), *Del.*, *Penn.* — BLATCHL., *Can. ent.*, xxiii, 76 (1891), *Ind.* — MCNEILL, *Psyche*, vi, 65-66 (1891), *Ill.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 22 (1893), *Nebr.* — GARM., *Orth. Ky.*, 9 (1894), *Ky.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 292 (1894), *Md.*, *N. Y.* — MCNEILL, *Proc. Davenp. acad. nat. sc.*, vi, 221, 222-223 (1897), *U. S. e. of Rocky Mts., n. to Nebr.*, *Ill.*, *to e. Md.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 127 (1897), *Nebr.* — BLATCHL., *Can. ent.*, xxx, 63 (1898), *Ind.* — LUGG., *Orth. Minn.*, 120 (1898), *Minn.* — MCNEILL, *Can. ent.*, xxxi, 53 (1899), *Ark.* — SCUDD., *Cat. Orth. U. S.*, 20 (1900), *U. S. e. of Rocky Mts. to Atl.* — SMITH, *Ins. N. J.*, 154 (1900), *N. J.* — SCUDD., *Psyche*, ix, 95 (1900), *Tex.*

eslaviae REHN, *Trans. amer. ent. soc.*, xxvii, 90-91 (1900), *Mex.*

fuscovittata THOM., *Rep. U. S. geol. surv. w. 100 mer.*, v, 870-871, pl. 45, fig. 7 (1875), *Ariz.* — MCNEILL, *Proc. Davenp. acad. nat. sc.*, vi, 222, 223 (1897), *Id.* — SCUDD., *Cat. Orth. U. S.*, 20 (1900), *Id.*

leucocerca STÅL, *Rec. Orth.*, i, 102-103 (1873), *Tex.* — THOM., *Rep. U. S.*

geol. surv. w. 100 mer., v, 869 (1875), *Id.* — BRUN., Bull. Washb. coll., i, 131 (1885), *Kans.*

montezuma STÅL, Rec. Orth., i, 102 (1873), *Mex.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 869 (1875), *West. U. S.*; Rep. ent. Ill., ix, 102 (1880). — TOWNS., Ins. life, vi, 31 (1893), *Ariz.* — McNEILL, Proc. Davenp. acad. nat. sc., vi, 221, 222 (1897), *Mex.*

Syrbula (Herus)

valida REHN, Trans. amer. ent. soc., xxvii, 91-92 (1900), *Mex.*

Taeniopoda

centurio PICT.-SAUSS., Bull. soc. ent. suisse, vii, 348 (1887), *Hond.*; Cat. Acrid., i, 18 (1887), *Id.*

picticornis STÅL, Rec. Orth., i, 51 (1873), *Mex.* — PICT.-SAUSS., Bull. soc. ent. suisse, vii, 347 (1887), *Id.*; Cat. Acrid., i, 17 (1887), *Id.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.* — REHN, Trans. amer. ent. soc., xxvii, 97 (1900), *Mex.*

superba STÅL, Rec. Orth., i, 50 (1873), *Hond.* — PICT.-SAUSS., Bull. soc. ent. suisse, vii, 347 (1887), *Id.*; Cat. Acrid., i, 17 (1887), *Id.*

Tafalisca

lurida WALK., Cat. Derm. salt. Brit. mus., i, 53 (1869), *St. Dom.* — THOM., Amer. ent., ii, 206 (1870), *Id.*

Tanusia

hoegei SAUSS.-PICT., Biol. centr. amer., Orth., 450, pl. 22, fig. 1 (1898), *Mex.*

ochracea SAUSS.-PICT., Biol. centr. amer., Orth., 450, pl. 22, fig. 2 (1898), *Guat.*

Temnopteryx

deropeltiformis BRUNN., Blatt., 87 (1865), *N. A.* — WALK., Cat. Derm. salt. Brit. mus., i, 144 (1869), *Id.* — BLATCHL., Proc. Ind. acad. sc., 1892, 160-161 (1894), *Ind.*; Orth. Ind., 20 (1897), *Id.*

fissa SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 54, pl. 4, figs. 29, 30 (1893), *Guat.*

guatemalae SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 53, pl. 4, figs. 27, 28 (1893), *Guat.*

kaupiana SAUSS., Mém. soc. phys. hist. nat. Gen., xxiii, 92-93 (1872), *Mex.*; Mém. orth., ii, 92-93 (1872), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 52, pl. 4, figs. 24-26 (1893), *Id.*

limbata SAUSS., Rev. mag. zool., (2), xx, 98 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 25-26, pl. 1, figs. 16, 16a (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 18 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 53 (1893), *Id.* •

major SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 54 (1893), *Tenn.* — SCUDD., Cat. Orth. U. S., 8 (1900), *Id.* •

marginata SCUDD., Rep. U. S. geol. surv. Nebr., 251 (1871), *Nebr.* — CAULF., Can. ent., xviii, 211 (1886), *Montreal*; Can. rec. sc., ii, 403 (1887), *Id.*; Can. Orth., 16 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 72 (1888), *Id.*

nitida SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 53, pl. 4, figs. 31, 32 (1893), *Mex.*

otomia SAUSS., Rev. mag. zool., (2), xx, 98 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 24-25, pl. 1, figs. 15, 15a (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 18 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 52 (1893), *Id.*

sumichrasti SAUSS., Rev. mag. zool., (2), xx, 97-98 (1868), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 23-24, pl. 1, fig. 14 (1870), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 18 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 53 (1893), *Id.*

tarasca BRUNN., Blatt., 86 (1865), *Mex.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 23 (1870), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 52 (1893), *Id.*

texensis SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 52, pl. 3, fig. 31 (1893), *N. Mex., Tex.* — SCUDD., Cat. Orth. U. S., 8 (1900), *Id.* •

virginica BRUNN., Blatt., 86 (1865), *Va.* — WALK., Cat. Derm. salt. Brit. mus., i, 144 (1869), *Id.* — BRUN., Publ. Nebr. acad. sc., iii, 21 (1893), *Nebr.* — BEUT., Bull. amer. mus. nat. hist., vi, 261 (1894), *N. Y.* — DAV., Proc. nat. sc. ass. Staten Isl., v, 97 (1896), *Staten Is.* — SCUDD., Cat. Orth. U. S., 8 (1900), *N. Y., Va. to Nebr.* — SMITH, Ins. N. J., 150 (1900), *N. J.* •

Tenodera

sinensis SAUSS., Laur.-Sauss., Ent. news, ix, 144-145, pl. 9 (1898), *Penn.* [cf. Scudd., Psyche, viii, 180 (1898)]. — JAC., Ent. news, ix, 170 (1898), *Id.* — LAUR., Ibid., x, 79-80, 273 (1899), *Id.* — SCUDD., Cat. Orth. U. S., 12 (1900), *Id.* — SLING., Bull. 185, Corn. univ. agric. exp. st., 46 (1900), *Id.*

Teratodes

monticollis SERV., Hist. nat. Orth., 634 (1839), *Indes.*

Tetanopus

nitidus BRUNN., Mon. Pseudoph., 106, pl. 5, fig. 48 (1895), *Chiriquí, Ecuador.* — SAUSS.-PICT., Biol. centr. amer., Orth., 406 (1898), *Id.*

Tetragomera

marmorata BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 66 (1895), *Nicar.*

Tetrix

See Acridium (Tetrix), *and* Tettix, *passim*.

Tettigidea

acadica SCUDD., Daws., Rep. geol. 49 par., 345 (1875), *Lake of Woods*; Butt. Orth. Brit. N. A. bound. comm., 5 (1875), *Id.* — CAULF., Can. rec. sc., ii, 402 (1887), *Id.*; Can. Orth., 14 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 209 (1896).

acuta MORSE, Journ. N. Y. ent. soc., iii, 15-16 (1895), *N. Y.* — HANC., Trans. amer. ent. soc., xxiii, 242, pl. 7, figs. 13, 13a (1896), *Ill.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Id.*

apiculata MORSE, Journ. N. Y. ent. soc., iii, 16 (1895), *La.* — SCUDD., Cat. Orth. U. S., 18 (1900), *Id.*

armata MORSE, Journ. N. Y. ent. soc., iii, 107 (1895), *Ind.*, *Tex.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.*; Can. ent., xxx, 60, 64 (1898), *Id.* — SCUDD., Cat. Orth. U. S., 18 (1900), *South. U. S.*

armata depressa MORSE, Journ. N. Y. ent. soc., iii, 107-108 (1895), *Ind.*, *Fla.*, *La.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.*; Can. ent., xxx, 60, 64 (1898), *Id.*

australis. *See* Tettigidea chichimeca australis.

bruneri MORSE, Biol. centr. amer., Orth., ii, 15, 16 (1900), *Mex.*

chichimeca BOL., Ann. soc. ent. Belg., xxxi, 296 (1887), *Mex.*; Ess. Tett., 122 (1887), *Id.* — MORSE, Biol. centr. amer., Orth., ii, 15, 16 (1900), *Mex.*

chichimeca australis HANC., Can. ent., xxxii, 26-27 (1900), *Mex.*

depressa. *See* Tettigidea armata depressa.

elongata. *See* Tettigidea prorsa elongata.

guatemalteca BOL., Ann. soc. ent. Belg., xxxi, 298 (1887), *Guat.*; Ess. Tett., 124 (1887), *Id.* — MORSE, Biol. centr. amer., Orth., ii, 15, 18 (1900-1901), *Id.*

jalapa HANC., Can. ent., xxxii, 25-26 (1900), *Mex.*

lateralis SCUDD., Bost. journ. nat. hist., vii, 477 (1862), *Mass.*, *Me.*, *N. H.*, *Conn.*, *Ill.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — PACK., Guide ins., 572 (1869), *Atl. st.* — SMITH, Rep. Conn. bd. agric., 1872, 377, 383 (1872), *N. E.*, *Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 187 (1873), *Mass.*, *Me.*, *N. H.*, *Conn.*, *Geo.*, *Fla.*, *Ill.*, *N. Y.* — SCUDD., Hitchc., Rep. geol. N. H., i, 379 (1874), *Me.*, *N. H.*, *s. to Fla.*, *w. to Ill.*, *Mo.* — THOM., Bull. Ill. mus. nat. hist., i, 69 (1876), *Ill.* — PROV., Nat. can., viii, 138 (1876), *Can.*; Faune ent. Can., ii, 47 (1877), *Id.* — BESS., Bienn. rep. Iowa agric.

coll., vii, 210 (1877), *Iowa*. — BRUN., Can. ent., ix, 145 (1877), *Nebr.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 90 (1877), *Fla.*; Ent. notes, vi, 31^a (1878), *Id.*; Psyche, ii, 154 (1878), *Id.* — THOM., Rep. ent. Ill., ix, 96 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Fla., east. U. S.* — RIL., Stand. nat. hist., ii, 192-193 (1884), *Id.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 402 (1887), *Can.*; Can. Orth., 14 (1887), *Id.* — BOL., Ann. soc. ent. Belg., xxxi, 298 (1887), *Geo., Ill., N. C., Cuba*; Ess. Tett., 124 (1887), *Id.*; Mém. soc. zool. France, i, 147 (1888), *N. A., Cuba*; Orth. Cuba, 32 (1888), *Id.* — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Can.* — FERN., Ann. rep. Mass. agric. coll., xxv, 131, 132 (1888), *N. E.*; Orth. N. E., 47, 48 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — GUNDL., Ent. cub., ii, 348-349 (1890), *Cuba*. — BLATCHL., Can. ent., xxiii, 100 (1891), *Ind.* — MCNEILL, Psyche, vi, 78 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — MORSE, Psyche, vii, 54, 107, 164-166, fig. 5 (1894), *N. E.* — HANC., Amer. nat., xxviii, 483-487, pl. 13 (1894), *Ill.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 310, pl. 10, fig. 7 (1894), *N. Y.* — ASHM., Ins. life, vii, 26 (1894), *Miss.* — MORSE, Journ. N. Y. ent. soc., iii, 108-109 (1895), *Md., W. Va., Ill., Ky., Tenn., N. C., Miss., La., Tex.* — BRUN., Rep. Nebr. bd. agric., 1896, 138, fig. 35 (1897), *Nebr.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.*; Can. ent., xxx, 64 (1898), *Id.* — LUGG., Orth. Minn., 111, fig. 66 (1898), *Minn.* — BRUN., Rep. Nebr. bd. agric., 1899, fig. 65 (1899). — BLATCHL., Gleanings, 236, fig. 62 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 18 (1900), *South. U. S. e. Rocky Mts.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

nicaraguae BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3^a, 62-63, pl. 3, figs. 3a, 3b (1895), *Nicar.* — MORSE, Biol. centr. amer., Orth., ii, 15, 16 (1900), *Mex., Nicar.*

nigra MORSE, Biol. centr. amer., Orth., ii, 15, 18, fig. (1900-1901), *Mex.*

obesa SCUDD., Proc. Bost. soc. nat. hist., xix, 34 (1877), *Geo.*; Ent. notes, vi, 12 (1878), *Id.*; Cent. Orth., 51 (1879), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.*

parvipennis MORSE, Journ. N. Y. ent. soc., iii, 108-109 (1895), *N. E., N. Y., N. J., Penn., W. Va., Ind., Ill., Minn., Ottawa.* — HANC., Trans. amer. ent. soc. xxiii, 242-243, pl. 7, figs. 12, 12a (1896), *Ill.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — SCUDD., Appal., viii, 304 (1898), *N. E.*; Alp. Orth. N. A., 6 (1898), *Id.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.*; — WALK., Ibid., xxx, 124 (1898), *Ont.* — SCUDD., Cat. Orth. U. S., 18 (1900), *North. U. S. e. Rocky Mts.*; Psyche, ix, 101 (1900), *N. E.*

parvipennis pennata MORSE, Journ. N. Y. ent. soc., iii, 109 (1895), *N. E.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.*

parvula MORSE, Biol. centr. amer., Orth., ii, 15, 17, fig. (1900-1901), *Mex.*

pennata. See *Tettigidea parvipennis pennata.*

plagiata MORSE, Biol. centr. amer., Orth., ii, 15, 17 (1900-1901), *Mex.*

polymorpha SCUDD., Bost. journ. nat. hist., vii, 447-448 (1862), *Mass.*

Me., N. H., Mo., Conn., Ill., Ala.—SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.*; Rep. Conn. bd. agric., 1872, 377, 383 (1872), *N. E., Conn.*—GLOV., Ill. N. A. ent., Orth., pl. 7, fig. 1 (1872).—THOM., Rep. U. S. geol. surv. terr., v, 188 (1873), *Mass., Me., N. H., Conn., Mo., Ala., Ill.*—SCUDD., Hitchc., Rep. geol. N. H., i, 379 (1874), *N. H., Me., Ala., Ont., Ill., Mo.*—THOM., Bull. Ill. mus. nat. hist., i, 69 (1876), *Ill.*—PROV., Nat. can., viii, 138 (1876), *Can.*; Faune ent. Can., ii, 48 (1877), *Id.*—BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Iowa.*—BRUN., Can. ent., ix, 145 (1877), *Nebr.*—THOM., Rep. ent. Ill., ix, 96 (1880), *Ill.*—BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *East. U. S.*—RIL., Stand. nat. hist., ii, 193 (1884), *Id.*—BRUN., Bull. Washb. coll., i, 139 (1885), *Kans.*; *Ibid.*, i, 200 (1886), *Id.*—CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 402 (1887), *Can.*; Can. Orth., 14 (1887), *Id.*—BOL., Ann. soc. ent. Belg., xxxi, 297 (1887), *U. S.*; Ess. Tett., 123 (1887), *Id.*—CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Can.*—FERN., Ann. rep. Mass. agric. coll., xxv, 131, 132 (1888), *N. E.*; Orth. N. E., 47, 48 (1888), *Id.*—DAV., Ent. amer., v, 81 (1889), *Staten Is.*—SMITH, Cat. ins. N. J., 415 (1890), *N. J.*—TOWNS., Proc. ent. soc. Wash., ii, 44 (1891).—BLATCHL., Can. ent., xxiii, 100 (1891), *Ind.*—MCNEILL, Psyche, vi, 78 (1891), *Ill.*—BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.*—MORSE, Psyche, vii, 54, 107, 164-166, fig. 5 (1894), *N. E.*—GARM., Orth. Ky., 9 (1894), *Ky.*—BEUT., Bull. amer. mus. nat. hist., vi, 311, pl. 10, fig. 8 (1894), *N. Y.*—MORSE, Journ. N. Y. ent. soc., iii, 108-109 (1895).—BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.*—BLATCHL., Orth. Ind., 22 (1897), *Ind.*; Can. ent., xxx, 64 (1898), *Id.*—LUGG., Orth. Minn., 111 (1898), *Minn.*—SMITH, Ins. N. J., 158 (1900), *N. J.*

prorsa SCUDD., Proc. Bost. soc. nat. hist., xix, 34-35 (1877), *Geo.*; Ent. notes, vi, 12-13 (1878), *Id.*; Cent. Orth., 51-52 (1879), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.*—BOL., Ann. ent. soc. Belg., xxxi, 297 (1887), *Id.*; Ess. Tett., 123 (1887), *Id.*—SCUDD., Cat. Orth. U. S., 18 (1900), *Id.*

prorsa elongata MORSE, Journ. N. Y. ent. soc., iii, 16 (1895), *Geo.*

spicata MORSE, Journ. N. Y. ent. soc., iii, 108 (1895), *Geo., Fla.*—SCUDD., Cat. Orth. U. S., 18 (1900), *Southeast. U. S.*

tecta MORSE, Biol. centr. amer., Orth., ii, 15, 17-18 (1900-1901), *Mex.*

Tettigonia

See Gryllus (Tettigonia).

Tettix

acadicus SCUDD., Ann. rep. chief eng., 1876, 515 (1876), *N. Mex., Lake of Woods*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 295 (1876), *Id.*—BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.*—COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.*—SCUDD., Proc. Bost. soc. nat. hist., xxvii, 209, 217 (1896).—BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.*—SCUDD., Cat. Orth. U. S., 16 (1900), *Can.*

angustus HANC., Trans. amer. ent. soc., xxiii, 238, pl. 6, figs. 4, 4a, pl. 9, fig. 24 (1896), *Ill.* — SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

arenosus BURM., [-trix] Handb. ent., ii, 659 (1838), *S. C.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 90 (1877), *Fla., Geo.*; Ent. notes, vi, 31 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *S. C., Fla.* — BOL., Ann. soc. ent. Belg., 269 (1887), *Geo.*; Ess. Tett., 95 (1887), *Id.* — MCNEILL, Psyche, vi, 77 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — BLATCHL., Can. ent., xxvi, 219-220 (1894), *Ind.* — ASHM., Ins. life, vii, 26 (1894), *Miss.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.* — SCUDD., Cat. Orth. U. S., 16 (1900), *South. and west. U. S.*

See also Acridium (Tetrix) arenosum.

aztecus SAUSS., Rev. mag. zool., 1861, 400 (1861), *Mex.*; Orth. nova amer., ii, 31 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 243 (1873), *Id.*

bilineatus HARR., [-trix] Ins. inj. veg., 1 ed., 151 (1841, 1842), *Mass.*; [-trix] *Ibid.*, 2 ed., 162 (1852), *Id.*; [-trix] *Ibid.*, 3 ed., 186 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *Id.*

brunneri BOL., Ann. soc. ent. Belg., xxxi, 266-267, pl. 2, figs. 22, 22a (1887), *Hudson Bay*; Ess. Tett., 92-93, pl. 2, figs. 22, 22a (1887), *Id.* — SCUDD., Cat. Orth. U. S., 16, 92 (1900), *Id.*

carinatus BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.*

chichimecus SAUSS., Rev. mag. zool., 1861, 400 (1861), *Mex.*; Orth. nova amer., ii, 31 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 244 (1873), *Id.*

convexus MORSE, Biol. centr. amer., Orth., ii, 10 (1900), *Mex.*

crassus MORSE, Journ. N. Y. ent. soc., vii, 201 (1899), *Col.* — SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

cristatus HARR., Scudd., Bost. journ. nat. hist., vii, 478 (1862). — PACK., [-trix] Rep. nat. hist. Me., 1861, 375 (1862), *Me.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *Id.* — BOL., Ann. soc. ent. Belg., xxxi, 260-261 (1887), *Geo.*; Ess. Tett., 86-87 (1887), *Id.* — MCNEILL, Psyche, vi, 77 (1891), *Ill.*

cucullatus BURM., [-trix] Handb. ent., ii, 658 (1838), *S. C.* — SCUDD., Bost. journ. nat. hist., vii, 475-476 (1862), *Mass., Mo.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *S. C., Mass., Mo.* — SMITH, Rep. Conn. bd. agric., 1872, 382 (1872), *Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 185 (1873), *Mass., Mo.* — PROV., Nat. can., viii, 137 (1876), *Can.* — BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Iowa.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 61 (1883), *Mass., Mo.* — LINTN., Rep. ins. N. Y., ii, 197 (1885), *N. Y.* — BOL., Ann. soc. ent. Belg., xxxi, 266 (1887), *Mass., Mo., Geo.*; Ess. Tett., 92 (1887), *Id.* — CAULF., Can. rec. sc., ii, 402 (1887), *Ont.*; Can. Orth., 14 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 71 (1888),

**Can.* — FERN., Ann. rep. Mass. agric. coll., xxv, 130, 131 (1888), *N. E.*; Orth. N. E., 46, 47 (1888), *Id.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — McNEILL, Psyche, vi, 77 (1891), *Ill.* — BLATCHL., Can. ent., xxiv, 33-34 (1892), *Ind.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 29 (1893), *Nebr.* — MORSE, Psyche, vii, 54, 107 (1894), *N. E.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 309. (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — FOGG, Proc. Manch. inst. arts sc., i, 45 (1900), *N. H.* — SMITH, Ins. N. J., 159 (1900), *N. J.*

See also *Acridium* (*Tetrix*) *cucullatum*.

decoratus HANC., Trans. amer. ent. soc., xxiii, 240-241, pl. 7, figs. 7, 7a, pl. 9, fig. 31 (1896), *Ill.* — SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

dorsalis HARR., [-trix] Ins. inj. veg., 1 ed., 151 (1841, 1842), *Mass.* — FITCH, [-trix] Amer. journ. agric. sc., vi, 146 (1847), *N. Y.* — HARR., [-trix] Ins. inj. veg., 2 ed., 162 (1852), *Mass.*; [-trix] *Ibid.*, 3 ed., 186 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *N. Y.*, *Mass.*

femoratus SCUDD., Trans. amer. ent. soc., ii, 306 (1869), *Md.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 90 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 185 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.* — BOL., Ann. soc. ent. Belg., xxxi, 264 (1887), *Geo.*, *N. C.*; Ess. Tett., 90 (1887), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — ASHM., Ins. life, vii, 26 (1894), *Miss.*

fluctuosus HANC., Trans. amer. ent. soc., xxiii, 240, pl. 7, figs. 6, 6a (1896), *Ill.* — SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

gibbosus HANC., Trans. amer. ent. soc., xxiii, 239-240, pl. 6, figs. 5, 5a, pl. 8, figs. 14-19, pl. 9, figs. 30, 31a (1896), *Ill.* — SCUDD., Cat. Orth. U. S., 16 (1900), *Id.*

granulatus SCUDD., Can. nat., vii, 288 (1862), *Minn.*; Bost. journ. nat. hist., vii, 474 (1862), *Mass.*, *Me.*, *N. H.*, *Minn.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — PACK., Guide ins., 572 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., v, 812 (1871), *Arct. Amer.*, *Hudson Bay*, *Lake Huron*; Can. ent., iv, 31 (1872), *Id.* — SMITH, Rep. Conn. bd. agric., 1872, 382 (1872), *Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 182 (1873), *Mass.*, *Me.*, *N. H.*, *Minn.*, *arct. Amer.*, *Hudson Bay*, *Lake Huron.* — SCUDD., Hitchc., Rep. geol. N. H., i, 378 (1874), *N. H.* — RIL., Rep. ins. Mo., viii, 150, fig. 47 (1876). — PROV., Ent. can., viii, 137 (1876), *Can.*; Faune ent. Can., ii, 46 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Iowa.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.* — RIL., Locust plague, 230, fig. 42 (1877); Rep. U. S. ent. comm., i, 256, fig. 11 (1878). — THOM., Bull. U. S. geol. surv. terr., iv, 484 (1878), *Dak.*, *Mont.* — SCUDD., Rep. U. S. ent. comm., ii, App., 28 (1881), *Vanc.* — BRUN., *Ibid.*, iii, 61 (1883), *East. N. A.* — RIL., Stand. nat. hist., ii, 192, fig. 268 (1884), *North. N. A.* — BRUN., Bull. Washb. coll., i, 139 (1885), *Kans.* — LINTN., Rep. ins. N. Y., ii, 197, fig. 59 (1885), *N. Y.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc.,

ii, 401 (1887), *Can.*; *Can. Orth.*, 14 (1887), *Id.* — BOL., *Ann. soc. ent. Belg.*, xxxi, 265-266 (1887), *Col.*, *Vanc.*; *Ess. Tett.*, 91-92 (1887), *Id.* — CAULF., *Rep. ent. soc. Ont.*, xviii, 71 (1888), *Can.* — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 130, fig. 18 (1888), *N. E.* — ORTH. *N. E.*, 46, fig. 18 (1888), *Id.* — DAV., *Ent. amer.*, v, 81 (1889), *Staten Is.* — FLETCH., *Rep. exp. farms. Can.*, 1888, 63 (1889), *Vict.* — SMITH, *Cat. ins. N. J.*, 415 (1890), *N. J.* — TOWNS., *Proc. ent. soc. Wash.*, ii, 44 (1891). — MCNEILL, *Psyche*, vi, 77 (1891), *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 117 (1892), *Iowa.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 28 (1893), *Nebr.* — COCK., *Trans. amer. ent. soc.*, xx, 337 (1894), *Col.* — MORSE, *Psyche*, vii, 54, 106, 154, 163, pl. 6, figs. 3, 3a (1894), *N. E.* — BLATCHL., *Can. ent.*, xxvi, 220-221 (1894), *Ind.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 309 (1894), *N. Y.* — HANC., *Trans. amer. ent. soc.*, xxiii, 237, pl. 6, figs. 3, 3a, pl. 9, fig. 28 (1896), *Ind.*, *Ill.* — BLATCHL., *Orth. Ind.*, 22 (1897), *Id.* — SCUDD., *Psyche*, viii, 99 (1897). — BALL, *Proc. Iowa acad. sc.*, iv, 238 (1897), *Iowa.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 138 (1897), *Nebr.* — SCUDD., *Appal.*, viii, 304 (1898), *N. H.*, *arct. Amer. to Vanc.*, *Col.*, *Kans.*, *Ind.*, *N. J.*; *Alp. Orth. N. A.*, 6 (1898), *Id.* — BLATCHL., *Can. ent.*, xxx, 64 (1898), *Ind.* — LUGG., *Orth. Minn.*, 107-108, fig. 63 (1898), *Minn.* — WALK., *Can. ent.*, xxx, 123 (1898), *Ont.*, *Manit.* — TAYL., *Ott. nat.*, xii, 59 (1898), *Vanc.* — HANC., *Ent. news*, x, 279-280 (1899), *Hudson Bay.* — SCUDD., *Cat. Orth. U. S.*, 16, 92 (1900), *East. and north. U. S.* — FOGG, *Proc. Manch. inst. arts sc.*, i, 45 (1900), *N. H.* — SCUDD., *Psyche*, ix, 100-101 (1900), *N. E.* — SMITH, *Ins. N. J.*, 159 (1900), *N. J.*

See also *Acridium* (*Tetrix*) *granulatum*.

hancocki MORSE, *Journ. N. Y. ent. soc.*, vii, 200-201 (1899), *Quebec, Ont.*, *S. Dak.*, *Nebr.*, *Ind.* *Ill.* — SCUDD., *Cat. Orth. U. S.*, 16 (1900), *Montreal to Dak. and Nebr.*

harrisii PACK., [-trix] *Rep. nat. hist. Me.*, 1861, 376 (1862), *Me.* — WALK., *Cat. Derm. salt. Brit. mus.*, v, 814 (1871), *Id.* — THOM., *Rep. U. S. geol. surv. terr.*, v, 186 (1873). — BRUN., *Rep. U. S. ent. comm.*, iii, 61 (1883), *Id.*

incurvatus HANC., *Amer. nat.*, xxix, 761-762, fig. 1 (1895), *Wash.* — SCUDD., *Cat. Orth. U. S.*, 17 (1900), *Id.*

inflatus HANC., *Trans. amer. ent. soc.*, xxxii, 238, pl. 7, fig. 8, pl. 9, fig. 26 (1896), *Ill.* — SCUDD., *Cat. Orth. U. S.*, 17 (1900), *Id.*

lateralis HARR., [-trix] *Hitchc., Rep. geol. Mass.*, 1 ed., 583 (1833), *Mass.*; [-trix] *Ibid.*, 2 ed., 577 (1835), *Id.*; [-trix] *Cat. ins. Mass.*, 57 (1835), *Id.*; [-trix] *Ins. inj. veg.*, 1 ed., 151 (1841, 1842), *Id.*; [-trix] *Ibid.*, 2 ed., 163 (1852), *Id.*; [-trix] *Ibid.*, 3 ed., 187 (1862), *Id.* — RATHV., [-trix] *Rep. U. S. dep. agric.*, 1862, 387, pl., fig. 29 (1862). — WALK., *Cat. Derm. salt. Brit. mus.*, v, 813 (1871), *N. Y.*, *Fla.*, *U. S.*, *N. A.* — GLOV., *Ill. N. A. ent.*, *Orth.*, pl. 5, fig. 7 (1872). — FOGG, *Proc. Manch. inst. arts sc.*, i, 45 (1900), *N. H.*

luggeri HANC., *Lugg.*, *Orth. Minn.*, 109 (1898), *Minn.* — SCUDD., *Cat. Orth. U. S.*, 17 (1900), *Id.*

mexicanus SAUSS., *Rev. mag. zool.*, 1861, 400 (1861), *Mex.*; *Orth. novae amer.*, ii, 30 (1861), *Id.* — WALK., *Cat. Derm. salt. Brit. mus.*, v, 814 (1871), *Id.* — THOM., *Rep. U. S. geol. surv. terr.*, v, 243 (1873), *Id.*

morsei HANC., Ent. news, x, 280-281 (1890), *Northeast. U. S., Ill., Minn.* — SCUDD., Cat. Orth. U. S., 92 (1900).

obscurus HANC., Trans. amer. ent. soc., xxiii, 239, pl. 7, figs. 9, 9a, 10, 10a, pl. 9, figs. 23, 25 (1896), *Ill.* — LUGG., Orth. Minn., 109 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 17 (1900), *West. U. S.*

ornatus HARR., [-trix] Hitchc., Rep. geol. Mass., 2 ed., 577 (1835), *Mass.*; [-trix] Cat. ins. Mass., 57 (1835), *Id.*; [-trix] Ins. inj. veg., 1 ed., 150 (1841, 1842), *Id.* — FIRCH, [-trix] Amer. journ. agric. sci., vi, 146 (1847), *N. Y.* — HARR., [-trix] Ins. inj. veg., 2 ed., 162 (1852), *Mass.*; [-trix] *Ibid.*, 3 ed., 186 (1862), *Id.* — SCUDD., Bost. journ. nat. hist., vii, 474-475 (1862), *Mass., Me., N. H., Vt., Conn., Mo., Ill.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868) *Me.* — WALK., Cat. Derin. salt. Brit. mus., v, 813 (1871), *Ind., Ill., Nova Scotia, Hudson Bay*; Can. ent., iv, 31 (1872), *Nova Scotia, Hudson Bay.* — SMITH, Rep. Conn. bd. agric., 1872, 382 (1872), *Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 5, figs. 1, 2, pl. 12, fig. 19 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 183 (1873), *Mass., N. H., Me., Vt., Conn., Mo., Ill.* — SCUDD., Hitchc., Rep. geol. N. H., i, 370 (1874), *N. H., Me., Vt., D. C., Ill., Mo.* — THOM., Bull. Ill. mus. nat. hist., i, 69 (1876), *Ill.* — PROV., Nat. can., viii, 137 (1876); *Can.*; Faune ent. Can., ii, 46 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 210 (1877), *Iowa.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.* — THOM., Rep. ent. Ill., ix, 96 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Brit. Amer., N. Mex.* — RIL., Stand. nat. hist., ii, 192 (1884), *Can., Tex.* — LINTN., Rep. ins. N. Y., ii, 197 (1885), *N. Y.* — CAULF., Can. rec. sc., ii, 401 (1887), *Quebec, Ont.*; Can. Orth., 14 (1887), *Id.* — BOL., Ann. soc. ent. Belg., xxxi, 264-265 (1887), *U. S.*; Ess. Tett., 90-91 (1887), *Id.* — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Can.* — FERN., Ann. rep. Mass. agric. coll., xxv, 130-131 (1888), *N. E.*; Orth. N. E., 46-47 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 415 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 100 (1891), *Ind.* — MCNEILL, Psyche, vi, 77 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 117 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 28 (1893), *Nebr.* — COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.* — MORSE, Psyche, vii, 54, 106, 152-154, pl. 6, figs. 2, 2a-c (1894), *N. E.* — GARM., Orth. Ky., 9 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 310 (1894), *N. Y.* — ASHM., Ins. life, vii, 26 (1894), *Miss.* — HANC., Trans. amer. ent. soc., xxiii, 237, pl. 6, figs. 1, 1a, 2, 2a, pl. 8, fig. 20, pl. 9, fig. 29 (1896), *Ill.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 138 (1897), *Nebr.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.*; Can. ent., xxx, 64 (1898), *Id.* — SCUDD., Appal., viii, 304 (1898), *N. H., Can. to Car., Ky., Tex.*; Alp. Orth. N. A., 6 (1898), *Id.* — LUGG., Orth. Minn., 108-109, fig. 64 (1898), *Minn.* — WALK., Can. ent., xxx, 122-123 (1898), *Ont.* — BLATCHL., Gleanings, 236, fig. 62 (1899), *Ind.* — SCUDD., Cat. Orth., U. S., 17 (1900), *North. and east. N. A.* — FOGG, Proc. Manch. inst. arts sc., i, 45 (1900), *N. H.* — SCUDD., Psyche, ix, 101 (1900), *N. E.* — SMITH, Ins. N. J., 159 (1900), *N. J.*

ornatus triangularis MORSE, Psyche, vii, 407 (1894), *N. E.* — BLATCHL., Can. ent., xxx, 64 (1898), *Ind.*

oxycephalus BURM., [-trix] Handb. ent., ii, 659 (1838), *S. C.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 186 (1873), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.* — SCUDD., Cat. Orth. U. S., 17 (1900), *Id.*

See also *Acridium* (Tettix) *oxycephalum*.

parvipennis HARR., [-trix] Hitchc., Rep. geol. Mass., 1 ed., 583 (1833), *Mass.*; [-trix] *Ibid.*, 2 ed., 577 (1835), *Id.*; [-trix] Cat. ins. Mass., 57 (1835), *Id.*; [-trix] Ins. inj. veg., 1 ed., 152 (1841, 1842), *Id.*; [-trix] *Ibid.*, 2 ed., 163 (1852), *Id.*; [-trix] *Ibid.*, 3 ed., 187, fig. 82 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.*

polymorphus BURM., [-trix] Handb. ent., ii, 659 (1838), *S. C.* — WALK., Cat. Derm. salt. Brit. mus., v, 813 (1871), *Id.*

See also *Acridium* (Tettix) *polymorphum*.

purpurascens SERV., [-trix] Ann. sc. nat., xxii, 291 (1831), *Trinidad.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 244 (1873), *Id.*

quadrinaculatus HARR., [-trix] Ins. inj. veg., 1 ed., 151 (1841, 1842), *Mass.*; [-trix] *Ibid.*, 2 ed., 162 (1852), *Id.*; [-trix] *Ibid.*, 3 ed., 186 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.*

quadriundulatus REINT., Brunn.-Redt., Proc. zool. soc. Lond., 1892, 208-209, pl. 16, fig. 10 (1892), *St. Vinc.* — BRUNN., *Ibid.*, 1893, 606 (1893), *Grenada, St. Vinc.*

rugosus SCUDD., Bost. journ. nat. hist., vii, 476 (1862), *Fla.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 186 (1873), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 90 (1877), *Id.*; Ent. notes, vi, 31 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 61 (1883), *Id.* — CAULF., Rep. ent. soc. Ont., xviii, 71 (1888), *Sudbury.*

sordidus HARR., [-trix] Hitchc., Rep. geol. Mass., 2 ed., 577 (1835), *Mass.*, [-trix] Cat. ins. Mass., 57 (1835), *Id.*; [-trix] Ins. inj. veg., 1 ed., 151 (1841, 1842), *Id.*; [-trix] *Ibid.*, 2 ed., 162 (1852), *Id.*; [-trix] *Ibid.*, 3 ed., 187 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Id.*

tectus MORSE, Biol. centr. amer., Orth., ii, 10-11 (1900), *Mex.*

tentatus MORSE, Journ. N. Y. ent. soc., vii, 200 (1899), *Alb., Or., Wyo., Col.* — SCUDD., Cat. Orth. U. S., 17 (1900), *Alb. and Wyo. to Or. and Cal.*

toltecus SAUSS., Rev. mag. zool., 1861, 401 (1861), *Mex.*; Orth. nova amer., ii, 31 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., v, 815 (1871), *Id.*

triangularis SCUDD., Bost. journ. nat. hist., vii, 475 (1862), *Mass., Me., N. H.* — SMITH, Proc. Portl. soc. nat. hist., i, 151 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., v, 814 (1871), *Mass., Me., N. H.* — SMITH, Rep. Conn. bd. agric., 1872, 383 (1872), *Conn.* — THOM., Rep. U. S. geol. surv. terr., v, 185 (1873), *Mass., Me., N. H.* — SCUDD., Hitchc., Rep. geol. N. H., i, 379 (1874), *N. H., Me., mid. st., Ont.* — PROV., Nat. can., viii, 137 (1876), *Can.*; Faune ent. Can., ii, 47 (1877), *Id.* — BRUN., Can. ent., ix, 145 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 61 (1883), *Mass., Me., N. H.* — LINTN., Rep. ins.

N. Y., ii, 197 (1885), *N. Y.* — CAULF., *Can. ent.*, xviii, 212 (1886), *Montreal*; *Can. rec. sc.*, ii, 402 (1887), *Can.*; *Can. Orth.*, 14 (1887), *Id.* — BOL., *Ann. soc. ent. Belg.*, xxxi, 265 (1887), *Mass., Me., N. H.*; *Ess. Tett.*, 91 (1887), *Id.* — CAULF., *Rep. ent. soc. Ont.*, xviii, 71 (1888), *Can.* — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 130, 131 (1888), *N. E.*; *Orth. N. E.*, 46, 47 (1888), *Id.* — SMITH, *Cat. ins. N. J.*, 415 (1890), *N. J.* — TOWNS., *Proc. ent. soc. Wash.*, ii, 44 (1891). — MCNEILL, *Psyche*, vi, 77 (1891), *Ill.* — DAV., *Proc. nat. sc. ass. Staten Isl.*, Feb. 14, 1891 (1891), *Staten Is.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 28 (1893), *Nebr.* — MORSE, *Psyche*, vii, 54 (1894). — BEUT., *Bull. amer. mus. nat. hist.*, vi, 310 (1894), *N. Y.* — BRUN., *Ann. rep. Nebr. bd. agric.*, 1896, 138 (1897), *Nebr.* — LUGG., *Orth. Minn.*, 109 (1898), *Minn.* — SMITH, *Ins. N. J.*, 159 (1900), *N. J.*

See also *Tettix ornatus triangularis*.

Thamnobates

subfalcata SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 437, pl. 20, figs. 30-32 (1898), *Pan.*

Thamnoscirtus

cicindeloides SAUSS., *Biol. centr. amer.*, *Orth.*, 239 (1897), *Pan.*, *Venez.*

montanus SAUSS., *Biol. centr. amer.*, *Orth.*, 240, pl. 13, fig. 36 (1897), *Pan.*

Thamnotrizon

dorsale GLOV., *Ill. N. A. ent.*, *Orth.*, pl. 1, fig. 11 (1872).

purpurascens THOM., *Proc. acad. nat. sc. Philad.*, 1870, 76 (1870), *Col.*, *N. Mex.*, *Rocky Mts.*; *Ann. rep. U. S. geol. surv. terr.*, ii, 265, 268 (1871), *Wyo.*, *Col.*

scabricolle THOM., *Ann. rep. U. S. geol. surv. terr.*, v, 441 (1872), *Mont.* — GLOV., *Ill. N. A. ent.*, *Orth.*, pl. 13, fig. 6 (1872).

trilineatum THOM., *Proc. acad. nat. sc. Philad.*, 1870, 76 (1870), *Col.*; *Ann. rep. U. S. geol. surv. terr.*, ii, 265, 268 (1871), *N. Mex.*, *Wyo.*, *Col.* — GLOV., *Ill. N. A. ent.*, *Orth.*, pl. 8, fig. 5 (1872).

Theganopteryx

fallax WALK., *Cat. Derm. salt. Brit. mus.*, v, 15 (1871), *Mex.* — SAUSS.-ZEHTN., *Biol. centr. amer.*, *Orth.*, 16 (1893), *Id.*

See also *Ectobia* (*Theganopteryx*) *fallax*.

Theganopteryx (Pseudectobia)

antiguensis SAUSS.-ZEHTN., *Biol. centr. amer.*, *Orth.*, 17-18 (1893), *Cuba*, *Antigua*.

subjectinata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 17, pl. 4, fig. 18 (1893), *Guat.*

Theoclytes

azteca SAUSS., Rev. mag. zool., 1859, 61 (1859), *Mex.*; Orth. nova amer., i, 2 (1859), *Id.*

chlorophaea SERV., Hist. nat. Orth., 153 (1839), *N. Y.* — SAUSS., Mitth. schweiz. ent. ges., iii, 60 (1869), *Mex., La.*; Mant. amér., 173-174 (1871), *Mex., south. U. S. to N. Y.* — Miss. scient. Mex., Rech. zool., vi, 292-293, pl. 5, figs. 4, 4a (1872), *Mex., U. S.* — GIR., Traité ent., ii, 88 (1879), *N. Y.* — BOIRE, Ann. soc. ent. Belg., xxvii, 78 (1883), *N. A., Guat.*; Liste Mant., 21 (1883), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 191-192 (1894), *N. A., Mex., Guat., Costa Rica.* — SCUDD., Can. ent., xxviii, 213, 214, 215 (1896), *Centr. Amer., Mex., La.*; Cat. Orth. U. S., 13-14 (1900), *Gulf states, N. Y.*

See also Theoclytes maya.

chlorophaea cornuta SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 191 (1894).

cingulata SAUSS., Mant. amér., 174-176 (1871), *Trop. Amer., Guiana, Brazil, Jam.* — BOL., Mém. soc. zool. France, i, 135-136 (1888), *Cuba*; Orth. Cuba, 20-21 (1888), *Id.* — GUNDL., Ent. cub., ii, 325 (1890), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 192 (1894), *S. A., Antill.*

cornuta. *See* Theoclytes chlorophaea cornuta.

maya SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 192, pl. 10, fig. 33 [chlorophaea var. on plate] (1894), *Mex.*

mexicana SAUSS., Rev. mag. zool., 1861, 127 (1861), *Mex.*; Orth. nova amer., ii, 2 (1861), *Id.*

pectinicornis STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 73 (1877), *Chiriqui.*

tolteca SAUSS., Rev. mag. zool., 1859, 61 (1859), *Mex.*; Orth. nova amer., i, 2 (1859), *Id.*

Thermastris

chontalia SCUDD., Bull. U. S. geol. surv. terr., ii, 249 (1876), *Nicar.*; Proc. Bost. soc. nat. hist., xviii, 258-259, 332 (1876), *Id.*; Ent. notes, v, 13-14, 72 (1876), *Id.*; Cent. Orth., 37-38 (1879), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 204 (1896).

saussurei DOHRN, Stett. ent. zeit., xxiv, 63 (1863), *Mex.* — SCUDD., Bull. U. S. geol. surv. terr., ii, 249 (1876), *Id.*; Proc. Bost. soc. nat. hist., xviii, 332 (1876), *Id.*; Ent. notes, v, 72 (1876), *Id.* — BORM., Compt. rend. soc. ent. Belg., 1880, 68 (1880), *Id.*; Etude Forf. exot., 1 (1880), *Id.*

Thespis

cubensis SAUSS., Mitth. schweiz. ent. ges., iii, 70 (1869), *Cuba*; Mant. amér., 127-128, pl. 2, figs. 29, 29a (1871), *Id.* — BOL., Mém. soc. zool. France,

i, 135 (1888), *Id.*; Orth. Cuba, 20 (1888), *Id.* — WESTW., Rev. Mant., 5 (1889), *Id.* — GUNDL., Ent. cub., ii, 323-324 (1890), *Id.*

parva SERV., Ann. sc. nat., xxii, 55 (1831), *Amer.*

See also Mantis (*Thespis*) *parva*.

Thesprotia

baculina BATES, Westw., Rev. Mant., 5 (1889), *Fla.*

graminis SCUDD., Can. ent., xxviii, 213, 214 (1896), *Fla., Geo.*; Cat. Orth. U. S., 13 (1900), *Id.*

Thrinaconyx

fumosus SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 179, pl. 10, figs. 4-10 (1894), *Pan.*

Thrinacus

aridus BRUN., [avi-] Proc. U. S. nat. mus., xii, 78-79, pl. 1, figs. 2, 3 (1890), *N. Mex.* — RIL., N. A. fauna, vii, 252 (1893), *Cala.* — TOWNS., Ins. life, vi, 31 (1893), *N. Mex.*

avidus. *See* *Thrinacus aridus*.

californicus THOM., Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 66 (1874), *Cala.* — GLOV., Ill. N. A. ent., Orth., pl. 17, figs. 6, 7 (1874). — COQ., Ins. life, i, 228 (1889), *Id.* — BRUN., Proc. U. S. nat. mus., xii, 187 (1890), *Cerro Is.*

maculatus BRUN., Proc. U. S. nat. mus., xii, 79-80 (1890), *Cala.*

Thyreonotus

oragini BRUN., Bull. Washb. coll., i, 129 (1885), *Kans.*; *Ibid.*, i, 196 (1886), *Kans., Tex.*; Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

dorsalis SCUDD., Bost. journ. nat. hist., vii, 454 (1862), *Mass., R. I., Md.* — WALK., Cat. Derm. salt. Brit. mus., ii, 246 (1869), *U. S.* — SMITH, Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 370 (1874), *N. H., Vt., Mass.*; Proc. Bost. soc. nat. hist., xix, 83 (1877), *Fla.*; Ent. notes, vi, 24 (1878), *Id.* — COMST., Intr. ent., 118 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 110 (1888), *N. E.*; Orth. N. E., 26 (1888), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.* — BLATCHL., Proc. Ind. acad. sc., 1892, 151-152 (1894), *Ind.*

haldemanii BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

pachymerus SCUDD., Bost. journ. nat. hist., vii, 453-454 (1862), *Conn., Ky.* — WALK., Cat. Derm. salt. Brit. mus., ii, 246 (1869), *U. S.* — SMITH, Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.* — COMST., Intr. ent., 118, fig. 106 (1888). — FERN., Ann. rep. Mass. agric., coll., xxv, 110 (1888), *N. E.*; Orth. N. E., 26 (1888), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* —

SMITH, Cat. ins. N. J., 411 (1890), *N. J.* — McNEILL, *Psyche*, vi, 24 (1891); *Ill.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.* — DAV., *Can. ent.*, xxv, 108-109 (1893), *Staten Is.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 150-151 (1894), *Ind.* — GARM., *Orth. Ky.*, 7 (1894), *Ky.*

scudderi BRUN., *Bull. Washb. coll.*, i, 129-130 (1885), *Kans.*; *Ibid.*, i, 196 (1886), *Id.*; *Publ. Nebr. acad. sc.*, iii, 31 (1893), *Nebr.*

Thysrocera

aurantiaca SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32-33, pl. 3, figs. 6, 7 (1893), *Pan.*

cincta BURM., *Handb. ent.*, ii, 499 (1839), *Mex.* — SAUSS., *Orth. Amér. moy.*, 125 (1864), *Id.* — BRUNN., *Blatt.*, 122 (1865), *Id.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 50-51, pl. 1, fig. 28 (1870), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32 (1893), *Mex.*, *Guat.*, *Nicar.* — SCUDD., *Cat. Orth. U. S.* (1900), *Tex.*

discicollis BRUNN., *Blatt.*, 123 (1865), *Mex.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 51 (1870), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32 (1893), *Id.*

gueriniana SAUSS., *Rev. mag. zool.*, 1862, 128 (1862), *Mex.*; *Orth. nova amer.*, iii, 7 (1862), *Id.*; *Orth. Amér. moy.*, 124 (1864), *Id.* — BRUNN., *Blatt.*, 126 (1865), *Id.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 50 (1870), *Id.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32 (1893), *Id.*

laticollis SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 51 (1870), *Mex.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32 (1893), *Mex.*, *Brazil.*

mexicana SAUSS., *Rev. mag. zool.*, 1862, 168 (1862), *Mex.*; *Orth. nova amer.*, iii, 6 (1862), *Id.*; *Orth. Amér. moy.*, 122 (1864), *Id.*

oblongata BRUNN., *Blatt.*, 121, pl. 3, fig. 11 (1865), *Surinam, Bahia, Mex.* — SAUSS., *Miss. scient. Mex.*, *Rech. zool.*, vi, 50, pl. 1, fig. 29 (1870), *Mex.* — SAUSS.-ZEHNTN., *Biol. centr. amer.*, *Orth.*, 32 (1893), *Mex.*, *Guat.*, *Brit. Hond.*

sallei SAUSS., *Rev. mag. zool.*, 1862, 168 (1862), *Mex.*; *Orth. nova amer.*, iii, 7 (1862), *Id.*; *Orth. Amér. moy.*, 123 (1864), *Id.*

tolteca SAUSS., *Rev. mag. zool.*, 1862, 168 (1862), *Mex.*; *Orth. nova amer.*, iii, 7 (1862), *Id.*; *Orth. Amér. moy.*, 124, pl. 1, fig. 21 (1864), *Id.* — BRUNN., *Blatt.*, 125 (1865), *Id.*

Thysdrus

infirmus SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 401, 402-403, pl. 19, figs. 30-32 (1898), *Guat.*, *Guiana.*

mantispa GRIFF., *Boll. mus. zool. univ. Tor.*, xi, no. 232, 30 (1896), *Pan.*, *Venez.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 401-402 (1898), *Mex.*, *Pan.*, *Guiana*, *Amazons*, *Brazil.* — GRIFF., *Tent. cat. Conoceph.*, 14 (1899), *Darien*, *Venez.*

mexicanus SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 401, 402 (1898), *Mex.*, *Guat.*, *Pan.*

- * **teres** GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 30-31 (1896), *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 401 (1898), *Pan., Colomb., Guiana, Brazil*. — GRIFF., Tent. cat. Conoceph., 14 (1899), *Darien*.
- * **virens** REDT., Verh. zool.-bot. ges. Wien, 1891, 538 (1891), *Colomb., Mex., Pan., Rio, Lima, Bogota, Amazons*. — BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67 (1895), *Nicar.* — SAUSS.-PICT., Biol. centr. amer., Orth., 401, pl. 19, fig. 29 (1898), *Mex., Pan., Colomb., Guiana, Amazons, Peru*.

Timema

- californicum** SCUDD., Can. ent., xxvii, 30 (1895), *Cala.*; Cat. Orth. U. S., 15 (1900), *Id.*

Titanacris

- carinata** SCUDD., Proc. Bost. soc. nat. hist., xii, 352-353 (1869), *W. I., S. A.*; Ent. notes, ii, 38-39 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 547 (1870), *Id.* — RIL., Stand. nat. hist., ii, 193 (1884), *W. I.*
- velasquezii** PICT.-SAUSS., Bull. soc. ent. suisse, vii, 364 (1887), *Mex., S. A., upper Amazons*; Cat. Acrid., i, 34 (1887), *Id.*

Tmetodera

See Derotmema (Tmetodera).

Tomonotus

- aztecus** SAUSS., Prodr. Oedip., 99 (1884), *Mex., Tex.* — SCUDD., Cat. *U. S., 38 Orth. (1900), *Tex.* — REHN, Trans. amer. ent. soc., xxvii, 96 (1900), *Mex.*

carinatus THOM., Rep. U. S. geol. surv. terr., v, 106-107 (1873), *Iowa, Mo.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa*. — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *Iowa, Mo.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*.

mexicanus SAUSS., Rev. mag. zool., 1861, 321 (1861), *Mex.*; Orth. nova amer., ii, 23 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 746 (1870), *Id.* — THOM., Proc. acad. nat. sc. Philad., 1870, 82 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 278 (1871), *N. Mex.*; Rep. U. S. geol. surv. terr., v, 211 (1873), *Mex.* — SAUSS., Prodr. Oedip., 97-98 (1884), *Id.*

nietanus SAUSS., Rev. mag. zool., 1861, 321 (1861), *Mex.*; Orth. nova amer., ii, 24 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 746 (1870), *Id.* — THOM., Proc. acad. nat. sc. Philad., 1870, 82 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 265, 278 (1871), *Col., Wyo.*; Rep. U. S. geol. surv. terr., v, 212 (1873), *Mex.*; Rep. ent. Ill., ix, 89, 94, 108-109 (1880), *Ill.*

- * **orizabae** SAUSS., Prodr. Oedip., 98 (1884), *Tex., Mex., Guat.* — SCUDD., Cat. Orth. U. S., 38 (1900), *Tex.*

otomitus SAUSS., Rev. mag. zool., 1861, 322 (1861), *Mex.*; Orth. nov. amer., ii, 24 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 746 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 212 (1873), *Id.*

pseudonietanus THOM., Proc. acad. nat. sc. Philad., 1870, 82 (1870), *Col.*; Ann. rep. U. S. geol. surv. terr., ii, 266, 279 (1871), *Col.*, *Wyo.*

sulphureus THOM., Rep. U. S. geol. surv. terr., v, 105 (1873), *Me.*, *Conn.*, *Mass.*, *Col.*, *Ill.*, *Tenn.*, *Mo.*, *Nebr.*, *Fla.*, *Rocky Mts.*, *Vanc.*; Rep. U. S. geol. surv. w. 100 mer., v, 873 (1875), *West. U. S.*; Bull. Ill. mus. nat. hist., i, 63 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — THOM., Ann. rep. chief eng., 1878, 1844 (1878), *Col.*; Rep. ent. Ill., ix, 89, 94, 107-108 (1880), *Ill.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *U. S.*, *Vanc.* — SMITH, Bull. N. J. exp. st., K, 41 (1890). — OSB., Bull. div. ent. U. S. dep. agric., xxiii, 59 (1891); Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.*

tenebrosus THOM., Rep. U. S. geol. surv. terr., v, 107-108 (1873), *Nebr.*, *Col.*, *Wyo.*, *N. Mex.*, *Kans.*, *Dak.*, *Mo.*; Rep. U. S. geol. surv. w. 100 mer., v, 874, pl. 43, fig. 3 (1875), *Vanc.*, *west. U. S.*; Proc. Davenport acad. nat. sc., i, 253 (1876), *Utah*; Bull. Ill. mus. nat. hist., i, 63 (1876), *Ill.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — UHL., Bull. U. S. geol. surv. terr., iii, 795 (1877), *Col.* — THOM., *Ibid.*, iv, 482 (1878), *Dak.*, *Mont.*; Ann. rep. chief. eng., 1878, 1844 (1878), *Col.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Centr. U. S.*

theresia BRUNN., Berl. ent. zeitschr., xl, 277 (1895), *N. Dak.* — SCUDD., Cat. Orth. U. S., 38 (1900), *Id.*

xanthopterus THOM., Rep. U. S. geol. surv. terr., v, 105-106 (1873), *Mass.*, *Mo.*, *Car.*, *Tenn.*, *Conn.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.*; Rep. U. S. ent. comm., iii, 56 (1883), *East. U. S.* — SMITH, Bull. N. J. exp. st., K, 41 (1890).

zimmermanni SAUSS., Rev. mag. zool., 1861, 320 (1861), *Car.*; Orth. nova amer., ii, 23 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iv, 746 (1870), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 89 (1877), *Fla.*; Ent. notes, vi, 30 (1878), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 56 (1883), *Fla.*

Trachyrachis

aspera SCUDD., Ann. rep. chief eng., 1876, 512 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 292 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*

borealis SAUSS., Add. prodr. Oedip., 59 (1888).

See also Psinidia (Trachyrachis) borealis.

capito SAUSS., Add. prodr. Oedip., 58 (1888).

See also Psinidia (Trachyrachis) capito.

cincta BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.* — BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.* — BRUN., Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Nebr.*

coronata SCUDD., Ann. rep. chief eng., 1876, 512-513 (1876), *N. Mex.*;

Afn. rep. U. S. geol. surv. w. 100 mer., 1876, 292-293 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*

fuscifrons SAUSS., Add. prodr. Oedip., 58 (1888).

See also **Psinidia** (*Trachyrachis*) **fuscifrons**.

kiowa SAUSS., Add. prodr. Oedip., 59, 168 (1888). — BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.*

See also **Psinidia** (*Trachyrachis*) **kiowa**.

maculosa SAUSS., Add. prodr. Oedip., 58, 59 (1888), *Amer. bor. int.*

See also **Psinidia** (*Trachyrachis*) **maculosa**.

mexicana SAUSS., Add. prodr. Oedip., 59 (1888), *Mex.* — BRUN., [rhas] Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Nebr.*

See also **Psinidia** (*Trachyrachis*) **mexicana**.

pardalina SAUSS., Add. prodr. Oedip., 58, 59 (1888), *Col.* — BRUN., Science, xxi, 133 (1893); Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*

See also **Psinidia** (*Trachyrachis*) **pardalina**.

plattei SAUSS., Add. prodr. Oedip., 170-171 (1888).

pulchella BRUN., Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Nebr.*

Trachyrachys

See **Trachyrachis**.

Tragocephala

brevipennis SCUDD., Proc. Bost. soc. nat. hist., xvii, 483 (1875), *Cala.*; Ent. notes, iv, 82 (1875), *Id.*

costalis STÅL, Rec. Orth., i, 119 (1873), *Tex.*

cubensis SCUDD., Proc. Bost. soc. nat. hist., xvii, 483-484 (1875), *Cuba*; Ent. notes, iv, 82-83 (1875), *Id.*; Proc. Bost. soc. nat. hist., xxvii, 209 (1896).

infuscata SCUDD., Bost. journ. nat. hist., vii, 461 (1862), *Mass., Me., N. H., Conn.* — PACK., Guide ins., 569 (1869), *Atl. st.* — GLOV., Ill. N. A. ent., Orth., pl. 10, fig. 10 (1872). — THOM., Rep. U. S. geol. surv. terr., v, 102, pl. fig. 7 (1873), *Mass., Me., N. H., Conn., Ill., Nebr., Col.* — SCUDD., Hitchc., Rep. geol. N. H., i, 373 (1874), *N. H., south to N. C., La., west to Nebr., Col.* — PROV., Nat. can., 115 (1876), *Can.*; Faune ent. Can., ii, 41 (1877), *Id.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 399, 400 (1887), *Can.*; Can. Orth., 12, 13 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 66, 70 (1888), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa*; Ins. life, v, 323 (1893), *Mo.*

See also **Locusta** (*Tragocephala*) **infuscata** and **Tragocephala** **viridifasciata** **infuscata**.

oblonga THOM., Rep. U. S. geol. surv. terr., v, 100 (1873), *Col.* — GLOV., Ill. N. A. ent., Orth., pl. 17, fig. 2 (1874).

pacifica THOM., Rep. U. S. geol. surv. terr., v, 101-102 (1873), *Cal.* — GLOV., Ill. N. A. ent., Orth., pl. 16, fig. 9 (1874). — SCUDD., Proc. Bost. soc. nat. hist., xvii, 484-485 (1875), *Id.*; Ent. notes, iv, 83-84 (1875), *Id.* — THOM., Proc. Davenp. acad. nat. sc., i, 252 (1876), *Col.*; Ann. rep. chief eng., 1878, 1844 (1878), *Id.* — RIL., Stand. nat. hist., ii, 203 (1884), *Pac. slope.*

radiata. See *Locusta* (*Tragocephala*) *radiata*.

sordida STÅL, Rec. Orth., i, 119 (1873), *N. A.* — SCUDD., Hitchc. Rep. geol. N. H., i, 373 (1874), *N. H.*, *Me. to Md., Tenn., west to Nebr., Iowa, Minn., Ont.* — THOM., Rep. ent. Ill., ix, 88, 93-94, 107 (1880), *Ill.*

virginiana. See *Tragocephala viridifasciata virginiana*.

viridifasciata SCUDD., Bost. journ. nat. hist., vii, 461-462 (1862), *Mass., Me., Conn., Md.* — SMITH, Proc. Portl. soc. nat. hist., i, 148 (1868), *Me.* — SCUDD., Proc. Bost. soc. nat. hist., xi, 313 (1868), *N. E.* — PACK., Guide ins., 569 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., iv, 786 (1870), *Fla., Mass.* — SMITH, Rep. Conn. bd. agric., 1872, 374, 382 (1872), *N. E., Conn.* — GLOV., Ill. N. A. ent., Orth., pl. 5, fig. 9, pl. 18, fig. 10 (1872, 1874). — THOM., Rep. U. S. geol. surv. terr., v, 103, pl., fig. 3 (1873), *Mass., Me., Conn., Md., Ill., Mo., Iowa, Nebr., Minn., Fla., Miss.* — STÅL, Rec. Orth., i, 119 (1873), *Penn., N. Y., S. C.* — SCUDD., Proc. Bost. soc. nat. hist., xvii, 481-483 (1875), *N. H. to Fla., Tex., Guat., Mo., Ill.*; Ent. notes, iv, 80-82 (1875), *Id.* — THOM., Proc. Davenp. acad. nat. sc., i, 253 (1876), *Iowa*; Bull. Ill. mus. nat. hist., i, 62 (1876), *Ill.* — RIL., Rep. ins. Mo., viii, 149, figs. 46ab (1876), *Mo.* — PROV., Nat. can., viii, 115 (1876), *Can.*; Faune ent. Can., ii, 42 (1877), *Id.* — BESS., Bienn. rep. Iowa agric. coll., vii, 307 (1877), *Iowa.* — BRUN., Can. ent., ix, 144 (1877), *Nebr.* — RIL., Locust plague, 228-229, figs. 1ab (1877); Rep. U. S. ent. comm., i, 220, 226, 232, 255-256, 459, figs. 94ab (1878), *Mo.* — THOM., Ann. rep. chief eng., 1878, 1844 (1878), *Col.*; Rep. ent. Ill., ix, 88, 93, 105-106, figs. 13, 17ab (1880), *Ill.* — SAUND., Ins. inj. fruit 157-158, figs. 167ab (1883). — RIL., Stand. nat. hist., ii, 203, figs. 285ab (1884), *East. U. S.* — WEED, Rep. ent. Ill., xv, 42 (1889). — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — BRUN., Rep. Nebr. st. hort. soc., 1894, 163 (1894); *Ibid.*, 1899, 133 (1899).

See also *Locusta* (*Tragocephala*) *viridifasciata*.

viridifasciata infuscata SCUDD., Proc. Bost. soc. nat. hist., xvii, 481 (1875); Ent. notes, iv, 80 (1875).

viridifasciata virginiana SCUDD., Proc. Bost. soc. nat. hist., xvii, 481 (1875); Ent. notes, iv, 80 (1875).

viridis OSB., Ins. life, v, 323 (1893), *Mo.*

Tribonium

conspersum. See *Proscratea* (*Tribonium*) *conspersa*.

Tridactylus

apicalis SAY [apicalis] Journ. acad. nat. sc. Philad., iv, 310 (1825), *South. west. st.*; [apicalis] Oeuvr. ent., 312-313 (1837), *Id.* — BURM., Handb. ent.,

ii, 742 (1838), *S. C.* — SAY, Ent. N. A., ii, 239 (1859), *South. west. st.* — SCUDD., Bost. journ. nat. hist., vii, 425 (1862), *Ala., Ky.* — THOM., Trans. Ill. st. agric. soc., v, 441 (1865), *Ill.* — PACK., Guide ins., 563 (1869), *South. st.* — WALK., Cat. Derm. salt. Brit. mus., i, 7 (1869), *Ala., Ky.*; *Ibid.*, v, Suppl., 1 (1871), *Mex.* — BOL., Anal. soc. esp. hist. nat., x, 488-489 (1881), *N. A., Ecuador*; Not. ent., 26-27 (1881), *Id.* — RIL., [epi-] Stand. nat. hist., ii, 180 (1884). — SMITH, Cat. ins. N. J., 407 (1890), *N. J.* — MCNEILL, Psyche, vi, 3 (1891), *Ill.* — DAV., Proc. nat. sc. ass. Staten Isl., Feb. 14, 1891 (1891), *Staten Is.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BLATCHL., Proc. Ind. acad. nat. sc., 1891, 129 (1892), *Ind.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — GARM., Orth. Ky., 5 (1894), *Ky.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — SAUSS., Rev. suisse zool., iv, 410, 418 (1897), *N. A., Centr. Amer.*; Biol. centr. amer., Orth., 204-205, pl. 11, fig. 7 (1897), *South. west. st., Tex., Tamaulipas.* — BALL, Proc. Iowa acad. sc., iv, 236 (1897), *Iowa.* — LUGG., Orth. Minn., 259, fig. 168 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 86 (1900), *U. S. e. Gr. Plains exc. northernm. portions.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

epicalis. See *Tridactylus apicalis*.

fissipes BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 67 (1895), *Nicar.* — SAUSS., Rev. suisse zool., iv, 410, 418 (1897), *Centr. Amer.*; Biol. centr. amer., Orth., 205-206 (1897), *Car., La., Tex., Tamaulipas.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Car. to Tex.*

histrio SCUDD., Cat. Orth. U. S., 87 (1900), *Tex.*

histrionicus SCUDD., Cat. Orth. U. S., 87 (1900) *Tex.*

illinoiensis THOM., Proc. ent. soc. Philad., i, 104 (1862), *Ill.*; Trans. Ill. st. agric. soc., v, 441 (1865), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 113 (1869), *Id.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Id.*

incertus SAUSS., Rev. suisse zool., iv, 410, 418 (1897), *Tex., Mex.*; Biol. centr. amer., Orth., 206, pl. 11, fig. 6 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Tex.*

minutus SCUDD., Bost. journ. nat. hist., vii, 425-426 (1862), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., i, 7 (1869), *Id.* — ASHM., Bull. div. ent. U. S. dep. agric., xiv, 15 (1887), *Fla.* — MCNEILL, Psyche, vi, 3 (1891), *Ill.* — BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 216 (1892), *St. Vinc., Tex., Ill.* — BRUNN., *Ibid.*, 1893, 609 (1893), *Grenada, St. Vinc., Tex., Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — ASHM., Ins. life, vii, 25 (1894), *Miss.* — LUGG., Orth. Minn., 259 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Ill. and Minn., to Fla. and Tex.*

mixtus WALK., Cat. Derm. salt. Brit. mus., i, 113 (1869), *Tex.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — SAUSS., Rev. suisse zool., iv, 410, 415 (1897), *N. A., Mex.*; Biol. centr. amer., Orth., 206-207 (1897), *La., Car., Tex., Mex.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Car. to Tex.*

terminalis UHL., Scudd., Bost. journ. nat. hist., vii, 425 (1862), *Mass., Md., Ill.* — WALK., Cat. Derm. salt. Brit. mus., i, 7 (1869), *Id.* — PACK., Guide ins., 563 (1869). — GLOV., Ill. N. A. ent., Orth., pl. 3, fig. 6 (1872). — SMITH,

Rep. Conn. bd. agric., 1872, 380 (1872), *Conn.* — FERN., Ann. rep. Mass. agric. coll., xxv, 97 (1888), *N. E.*; Orth. N. E., 13 (1888), *Id.* — SMITH, Cat. ins. N. J., 407 (1890), *N. J.* — MCNEILL, Psyche, vi, 3 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 33 (1893), *Nebr.* — SCUDD., Psyche, vii, 3-4 (1894), *Mass.* — BEUT., Bull. amer. mus. nat. hist., vi, 263, pl. 5, fig. 15 (1894), *N. Y.* — DAV., Journ. N. Y. ent. soc., iii, 142 (1895), *Staten Is.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — LUGG., Orth. Minn., 259 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 87 (1900), *Mass. to Minn.*; Psyche, ix, 104 (1900), *N. E.* — SMITH, Ins. N. J., 163 (1900), *N. J.*

tibialis GUÉR., Icon. règne anim., Ins., 336 (1829-1838), *La.* — WALK., Cat. Derm. salt. Brit. mus., i, 113 (1869), *Id.*

Tridactylus (Heteropus)

histrion SAUSS., Biol. centr. amer., Orth., 207-208 (1897), *Tex., Cuba.*

histrionicus SAUSS., Rev. suisse zool., iv, 410, 419 (1897), *Centr. Amer.*; Biol. centr. amer., Orth., 207, pl. 11, figs. 1-5 (1897), *Tex., Mex.*

minutus SAUSS., Miss. scient. Mex., Rech. zool., vi, 353 (1874), *U. S.*

Tridactylus (Xya)

apicalis SAUSS., Miss. scient. Mex., Rech. zool., vi, 351 (1874), *U. S., La., Ky.*

fissipes SAUSS., Miss. scient. Mex., Rech. zool., vi, 352-353, pl. 8, figs. 25, 25a (1874), *La.*

mixtus SAUSS., Miss. scient. Mex., Rech. zool., vi, 353 (1874), *Tex.*

terminalis SAUSS., Miss. scient. Mex., Rech. zool., vi, 352 (1874), *North. U. S.*

Trimerotropis

aequalis SCUDD., Hitchc., Rep. geol. N. H., i, 377 (1874), *N. H., Me., Vt., Mass., N. Y., Fla., Manit., Minn., Iowa, Dak., Ill.* — UHL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Col.*

agrestis MCNEILL, Psyche, ix, 32, 35 (1900), *Nebr.*

albescens MCNEILL, Psyche, ix, 30, 35 (1900), *Cala.*

azurescens BRUN., Proc. U. S. nat. mus., xii, 69-70 (1890), *Mont., Wyo., Idaho.* — SCUDD., Cat. Orth. U. S., 41 (1900), *Id.* — MCNEILL, Psyche, ix, 35 (1900), *Rocky Mt. st.*

bifasciata BRUN., Proc. U. S. nat. mus., xii, 70-71 (1890), *Cala.* — SCUDD., Cat. Orth. U. S., 41 (1900), *Id.* — MCNEILL, Psyche, ix, 30, 35 (1900), *Pac. coast.*

bruneri MCNEILL, Psyche, ix, 31 (1900), *Rocky Mt. st.*

caeruleipennis BRUN., Can. ent., xvii, 10-12 (1885), *Wash., Mont., Idaho, Wyo., Utah.* — SAUSS., Add. prodr. Oedip., 172 (1888), *Id.* — TOWNSEN., Ins.

life, vi, 31 (1893), *Ariz.*—SCUDD., Cat. Orth. U. S., 41 (1881), *Wash. to Wyo. and Ariz.*—MCNEILL, Psyche, ix, 35 (1900), *Cal. to Wyo.*

caeruleipes SCUDD., Rep. U. S. ent. comm., ii, App., 27 (1881), *Or., Cal.*—BRUN., Ibid., iii, 57 (1883), *Or.*—SAUSS., Add. prodr. Oedip., 172 (1888), *Or., Cal.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Id.*—MCNEILL, Psyche, ix, 30 (1900), *Pac. coast.*

californica BRUN., Proc. U. S. nat. mus., xii, 71 (1890), *Cal.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Id.*—MCNEILL, Psyche, ix, 32, 35 (1900), *Id.*

caliginosa MCNEILL, Psyche, ix, 30, 35 (1900), *Cal.*

campestris BRUN., Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Nebr., Rocky Mts.*—MCNEILL, Psyche, ix, 31, 35 (1900), *Wyo.*

cincta SAUSS., Prodr. Oedip., 171-172 (1884), *Cal., Col., Ill.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Ill. to N. Mex., Cal.*—MCNEILL, Psyche, ix, 29, 35 (1900), *Cal. to Tex.*

citrina SCUDD., Bull. U. S. geol. surv. terr., ii, 265 (1876), *Col., Manit. to Tex.*—BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Col.*—SAUSS., Prodr. Oedip., 169 (1884), *Tex.*; Add. prodr. Oedip., 64 (1888), *Col.*—COCK., Ent., xxi, 301 (1888), *Id.*—SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893).—BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.*—BALL, Proc. Iowa acad. sc., iv, 240 (1897), *Iowa.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Manit. to Tex.*—MCNEILL, Psyche, ix, 31, 35 (1900), *Rocky Mts. to Md.*

collaris MCNEILL, Psyche, ix, 33, 35 (1900).

columbia SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893).

conspersa MCNEILL, Psyche, ix, 34, 35 (1900), *Cal.*

cyanipennis BRUN., Proc. U. S. nat. mus., xii, 68-69 (1890), *Utah*; Science, xxi, 133 (1893), *Id.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Id.*—MCNEILL, Psyche, ix, 35 (1900), *Rocky Mt. st.*

fallax SAUSS., Prodr. Oedip., 170 (1884), *Cal.*—KOER., Bull. div. ent. U. S. dep. agric., xxii, 94 (1890), *Id.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Id.*—MCNEILL, Psyche, ix, 34, 35 (1900), *Id.*

fascicula MCNEILL, Psyche, ix, 31 (1900), *Rocky Mt. st.*

ferruginea MCNEILL, Psyche, ix, 30 (1900), *Rocky Mt. st.*

fontana THOM., Proc. Davenport acad. nat. sc., i, 255-256, pl. 36, fig. 5 (1876), *Utah.*—SCUDD., Rep. U. S. ent. comm., ii, App., 27 (1881), *Id.*—BRUN., Ibid., iii, 57 (1883), *Id.*; Rep. U. S. ent., 1885, 307 (1886), *Yellowstone.*—SAUSS., Add. prodr. Oedip., 171 (1888), *Utah.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Utah, Yellowstone.*

fratercula MCNEILL, Psyche, ix, 33, 35 (1900), *Wyo.*

gracilis SAUSS., Prodr. Oedip., 171 (1884), *Col., Idaho.*—SCUDD., Cat. Orth. U. S., 41 (1900), *Idaho and Dak. to Col. and Nebr.*—MCNEILL, Psyche, ix, 29 (1900), *Rocky Mt. st.*

gratiosa SCUDD., Can. ent., xxxii, 330-331 (1900), *Cal.*

huastecae. See *Trimerotropis monticola huastecae.*

interior. See *Trimerotropis maritima interior.*

juliana SCUDD., Ann. rep. chief eng., 1876, 514 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 294 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SCUDD., Cat. Orth. U. S., 41 (1900), *Id.* — McNEILL, Psyche, ix, 29 (1900), *Rocky Mt. st.*

koebelei McNEILL, Psyche, ix, 30, 35 (1900), *Cala.*

laticincta SAUSS., Prodr. Oedip., 169-170 (1884), *Tex.*; Add. prodr. Oedip., 63, 64 (1888), *Col.* — SCUDD., Cat. Orth. U. S., 41 (1900), *Tex., Col.* — McNEILL, Psyche, ix, 32 (1900), *Rocky Mt. st.*

latifasciata SCUDD., Rep. U. S. ent. comm., ii, App., 26-27 (1881), *Wash., Utah.* — BRUN., *Ibid.*, iii, 57 (1883), *Wash.* — SAUSS., Add. prodr. Oedip., 172 (1888), *Id.* — BRUN., Ins. life, iii, 229 (1891); Bull. div. ent. U. S. dep. agric., xxiii, 14 (1891); Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 41 (1900), *Wash. to Utah.* — McNEILL, Psyche, ix, 32, 35 (1900), *Id.*

lauta SCUDD., Proc. Bost. soc. nat. hist., xviii, 271 (1876), *Guadalupe Isl.*; Ent. notes, v, 26 (1876), *Id.* — SAUSS., Add. prodr. Oedip., 172 (1888), *Cula. inf.* — SCUDD., Proc. Bost. soc. nat. hist., xxvii, 209, 217 (1896). — McNEILL, Psyche, ix, 35 (1900).

maritima STÅL, Rec. Orth., i, 135 (1873), *N. J.* — SCUDD., Hitchc., Geol. N. H., i, 378 (1874), *N. H. to N. J.* — THOM., Rep. ent. Ill., ix, 90, 95, 113 (1880), *Ill.* — SAUSS., Prodr. Oedip., 172 (1884), *N. J., Ill., Geo.* — FERN., Ann. rep. Mass. agric. coll., xxv, 129 (1888), *N. E.*; Orth. N. E., 45 (1888), *Id.* — DAV., Ent. amer., v, 81 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 414 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — McNEILL, Psyche, vi, 64 (1891), *Ill.* — SMITH, Bull. N. J. exp. st., xc, 34 (1892), *Cape Cod.* — MORSE, Psyche, vii, 105 (1894), *N. E.* — BLATCHL., Can. ent., xxvi, 218-219 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 299, pl. 10, fig. 5 (1894), *N. Y., N. J.* — MORSE, Psycho, viii, 37, 112-113, pl. 2, fig. 29 (1897), *N. E.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.*; Can. ent., xxx, 61-62, 64 (1898), *Id.* — LUGG., Orth. Minn., 168-170, figs. 101, 102 (1898), *Minn.* — WALK., Can. ent., xxx, 262 (1898), *Lake Erie, N. J.* — MORSE, Psyche, viii, 319, 321 (1899), *N. E.* — SCUDD., Cat. Orth. U. S., 42 (1900), *N. H. to Geo., Great Lakes*; Psyche, ix, 102 (1900), *N. E.* — SMITH, Ins. N. J., 158 (1900), *N. J.*

maritima interior WALK., Can. ent., xxx, 262 (1898), *Great Lakes.*

melanoptera McNEILL, Psyche, ix, 32, 35-36 (1900), *N. Mex.*

modesta BRUN., Proc. U. S. nat. mus., xii, 72 (1890), *N. Mex.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.* — McNEILL, Psyche, ix, 31, 35 (1900), *Id.*

montana BRUN., McNeill, Psyche, ix, 32 (1900), *Rocky Mt. st.*

monticola SAUSS., Prodr. Oedip., 170 (1884), *Mex.*; Add. prodr. Oedip. 63 (1888), *Mex., N. Mex.* — SCUDD., Cat. Orth. U. S., 42 (1900), *N. Mex.* — McNEILL, Psyche, ix, 31, 35 (1900), *Col. to Mex.* — REHN, Trans. amer. ent. soc., xxvii, 97 (1900), *Mex.*

monticola huastecae SAUSS., Add. prodr. Oedip., 63 (1888), *Mex.*

nubila McNEILL, Psyche, ix, 34, 35 (1900), *N. Mex.*

obscura SCUDD., Ann. rep. chief eng., 1876, 514 (1876), *N. Mex.*; Ann.

- rep. U. S. geol. serv. w. 100 mer., 1876, 294 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.*
- pacifica** BRUN., Proc. U. S. nat. mus., xii, 78-74 (1890), *Cala.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.* — McNEILL, Psyche, ix, 32, 35 (1900), *Id.*
- perplexa** BRUN., Proc. U. S. nat. mus., xii, 74-75 (1890), *Nebr.* — SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Id.*; Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Id.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.*
- picta** SCUDD., Proc. Bost. soc. nat. hist., xix, 31-32, 90 (1877), *Fla., Geo.*; Ent. notes, vi, 9-10, 31 (1878), *Id.*; Psyche, ii, 154 (1878), *Fla.*; Cent. Orth., 48-49 (1879), *Fla., Geo.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.*
- pilosa** McNEILL, Psyche, ix, 34, 35 (1900), *Cala.*
- pistrinaria** SAUSS., Prodr. Oedip., 173 (1884), *Tex.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.* — McNEILL, Psyche, ix, 32, 35 (1900), *Tex. to Mex.*
- praeclara** McNEILL, Psyche, ix, 31, 35 (1900), *Nebr.*
- pseudofasciata** SCUDD., Ann. rep. chief eng., 1876, 514 (1876), *Cala.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 294 (1876), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Id.* — SAUSS., Prodr. Oedip., 172 (1884), *Col., Cala.* — BRUN., Can. ent., xvii, 10 (1885), *Wash., Idaho.* — COQ., Rep. U. S. ent., 1885, 296, 297 (1886), *Cala.*; Bull. div. ent. U. S. dep. agric., xxvii, 35 (1892), *Id.* — BRUN., Nebr. st. hort. rep., 1895, 69 (1895). — SCUDD., Cat. Orth., U. S., 42 (1900), *Cala. and Wash. to Col.* — McNEILL, Psyche, ix, 35 (1900), *Cala.*
- salina** BRUN., McNeill, Psyche, ix, 33, 35 (1900), *Nebr.*
- saxatilis** McNEILL, Psyche, ix, 34, 35 (1900), *Ark., Ill.*
- similis** SCUDD., Rep. U. S. ent. comm., ii, App., 27 (1881), *Wash.* — BRUN., Ibid., iii, 57 (1883), *Id.* — SAUSS., Add. prodr. Oedip., 172 (1888), *Id.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.* — McNEILL, Psyche, ix, 33, 35 (1900), *Pac. coast.*
- strenua** McNEILL, Psyche, ix, 32 (1900), *Rocky Mt. st.*
- suffusa** SCUDD., Bull. U. S. geol. surv. terr., ii, 265-266 (1876), *Utah, Cala., Vanc.*; Rep. U. S. ent. comm., ii, App., 27 (1881), *Cala.* — BRUN., Ibid., iii, 57 (1883), *Cala., Utah*; Can. ent., xvii, 10 (1885), *Wash.*
- tessellata** McNEILL, Psyche, ix, 30 (1900), *Rocky Mt. st.*
- thalassica** BRUN., Proc. U. S. nat. mus., xii, 72-73 (1890), *Cala.* — SCUDD., Cat. Orth. U. S., 42 (1900), *Id.* — McNEILL, Psyche, ix, 31, 35 (1900), *Id.*
- tolteca** SAUSS., Prodr. Oedip., 169 (1884), *Mex.*; Add. prodr. Oedip., 63 (1888), *Id.* — McNEILL, Psyche, ix, 28, 35 (1900).
- variegata** McNEILL, Psyche, ix, 34, 35 (1900), *Cala.*
- verruculata** SCUDD., Hitchc., Rep. geol. N. H., i, 377-378, fig. 57 (1874), *N. H., Mass., Me., Quebec, Saskatch., Ill.*; Daws., Rep. geol. 49 par., 344 (1875), *Dufferin*; Butt. Orth. Brit. N. A. bound. comm., 4 (1875), *Id.*; Bull. U. S. geol. surv. terr., ii, 266 (1876), *Vanc.* — THOM., Bull. Ill. mus. nat. hist., i, 64 (1876), *Ill.*; Rep. ent. Ill., ix, 90, 95, 112 (1880), *Id.* — BRUN., Rep. U. S. ent. comm., iii, 57 (1883), *Ill., Nebr., Mont., Dak.* — CAULF., Rep. ent. soc. Ont., xviii, 70 (1888), *Can.*

See also Oedipoda (Trimerotropis) verruculata.

vinculata SCUDD., Proc. Bost. soc. nat. hist., xviii, 270-271 (1876), *Gaudalupe Is., Mex., Cala.*; Ent. notes, v, 26-27 (1876), *Id.*; Rep. U. S. ent. comm., ii, App., 27, pl. 17, fig. 11 (1881), *Cala., Wash.*—BRUN., Ibid., iii, 57, (1883), *Wash.*; Can. ent., xvii, 10 (1885), *Id.*; Bull. Washb. coll., i, 134 (1885), *Kans., Tex., N. Mex., Ariz., Cala.*—COQ., Rep. U. S. ent., 1885, 297 (1886), *Cala.*—SAUSS., Add. prodr. Oedip., 171 (1888), *Mex., Lower Cala., Wash.*—COCK., Ent., xxi, 304 (1888), *Col.*—COQ., Ins. life, i, 228 (1889), *Cala.*—FLETCH., Rep. exp. farms Can., 1888, 63 (1889), *Victoria.*—SCUDD., Rep. ent. soc. Ont., xxiii, 77 (1893).—COCK., Ent. news, iv, 44 (1893), *Col.*—RIL. N. A. fauna, vii, 252 (1893), *Cala.*—BRUN., Publ. Nebr. acad. sc., iii, 25 (1893), *Nebr.*—TOWNS., Ins. life, vi, 31 (1893), *N. Mex.*—COCK., Trans. amer. ent. soc., xx, 337 (1894), *Col.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 133 (1897), *Nebr.*—SCUDD., Cat. Orth. U. S., 42 (1900), *Cala. and Vict. to Nebr.*—MCNEILL, Psyche, ix, 34 (1900), *Rocky Mt. st.*

Trimerotropis (Agonozoa)

albolineata MCNEILL, Psyche, ix, 28, 35 (1900), *Cala.*
coquilletti MCNEILL, Psyche, ix, 29, 35 (1900), *Cala.*
cristata MCNEILL, Psyche, ix, 28, 35 (1900), *Lower Cala. to Utah.*
hyalina MCNEILL, Psyche, ix, 28, 35 (1900), *Cala.*
maritima MCNEILL, Psyche, ix, 28, 35 (1900), *Atl. coast, Great Lakes.*
porrecta MCNEILL, Psyche, ix, 28, 35 (1900), *Cala.*
rebellis MCNEILL, Psyche, ix, 28, 35 (1900), *Cala.*
texana MCNEILL, Psyche, ix, 28, 35 (1900), *Tex. to N. Mex.*

Tropidacris

cardinalis PICT.-SAUSS., Bull. soc. ent. suisse, vii, 360-361 (1887), *Guat.*; Cat. Acrid., i, 30-31 (1887), *Id.*

cristata SCUDD., Proc. Bost. soc. nat. hist., xii, 351 (1869), *Asia, Africa, Arabia, Amer., S. A.*; Ent. notes, ii, 37 (1869), *Id.*

dux SCUDD., Proc. Bost. soc. nat. hist., xii, 347-348 (1869), *Hond., Surinam, Pan., Tex., Nicar., Guat., Tehuant.*; Ent. notes, ii, 33-34 (1869), *Id.*—PACK., Guide ins., 571 (1869), *Tex. to Pan.*—THOM., Rep. U. S. geol. surv. terr., v, 177 (1873), *Tex.*—GROV., Ill. N. A. ent., Orth., pl. 15, fig. 5 (1874).—BRUN., Can. ent., ix, 145 (1877), *Nebr.*—GIR., Traité ent., ii, 251 (1879), *Tex., Brazil.*—BRUN., Rep. U. S. ent. comm., iii, 58 (1883), *Tex.*—RIL., Stand. nat. hist., ii, 193 (1884), *Pan. to Tex.*—PICT.-SAUSS., Bull. soc. ent. suisse, vii, 359-360 (1887), *Tex., Centr. Amer., Colomb., Brazil*; Cat. Acrid., i, 29-30 (1887), *Id.*—BRUN., Publ. Nebr. acad. sc., iii, 26 (1893), *Nebr.*—GIGL.-TOS, Boll. mus. zool. univ. Tor., xii, no. 301, 3 (1897), *Darien.*—BRUN., Ann. rep. Nebr. bd. agric., 1896, 134 (1897), *Nebr.*—SCUDD., Cat. Orth. U. S., 45 (1900), *Tex.*

imperialis PICT.-SAUSS., Bull. soc. ent. suisse, vii, 361 (1887), *Guat.*; Cat. Acrid., i, 31 (1887), *Id.*

Tropidischia

xanthostoma SCUDD., Bost. journ. nat. hist., vii, 441 (1862), *Cala.*—WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Id.*—SCUDD., Rep. U. S. ent. comm., ii, App., 23 (1881), *Id.*—BRUNN., Verh. zool.-bot. ges. Wien, 1838, 312 (1888), *Id.*; Mon. Stenop., 68 (1888), *Id.*—SCUDD., Can. ent., xxxi, 117 (1899), *Cala., Or.*; Cat. Orth. U. S., 80 (1900), *Id.*

Tropidolophus

formosus THOM., Rep. U. S. geol. surv. terr., v, 138-139, pl., fig. 1 (1873), *Upper Arkansas, Col., Wyo.*; Rep. U. S. geol. surv. w. 100 mer., v, 885 (1875), *West. U. S.*; Proc. Davenport acad. nat. sc., i, 259 (1876), *Col.*—UHL., Bull. U. S. geol. surv. terr., iii, 794 (1877), *Id.*—BRUN., Rep. U. S. ent. comm., iii, 54, 56 (1883), *Col., Wyo.*—SAUSS., Prodr. Oedip., 104 (1884), *Col.*—BRUN., Bull. Washb. coll., i, 198 (1886), *Kans.*—SCUDD., Rep. ent. soc. Ont., xxiii, 76 (1893).—TOWNS., Ins. life, vi, 31 (1893), *N. Mex.*—BRUN., Publ. Nebr. acad. sc., 26 (1893), *Nebr.*; Ann. rep. Nebr. bd. agric., 1896, 131 (1897), *Id.*—SCUDD., Cat. Orth. U. S., 36 (1900), *Wyo. to Kans. and N. Mex.*

Tropidonotus

rosulentus BRUN., Bull. lab. nat. hist. univ. Iowa, iii, pt. 3, 64, pl. 3, fig. 5 (1895), *Nicar.*

Tropizaspis

castanea SCUDD., Proc. amer. acad. arts sc., xxxv, 83, 84-85 (1899), *Cala.*; Cat. Orth. U. S., 77 (1900), *Id.*

diabolica SCUDD., Proc. amer. acad. arts sc., xxxv, 84, 86-87 (1899), *Cala.*; Cat. Orth. U. S., 77 (1900); *Id.*

ovata SCUDD., Proc. amer. acad. arts sc., xxxv, 83, 84 (1899), *Cala.*; Cat. Orth. U. S., 77 (1900), *Id.*

picturata SCUDD., Proc. amer. acad. arts sc., xxxv, 83, 85-86 (1899), *Wash.*; Cat. Orth. U. S., 77 (1900), *Id.*

steindachneri SCUDD., Can. ent., xxvi, 180, 183 (1894), *Pac. coast*; Proc. amer. acad. arts sc., xxxv, 84, 86 (1899), *Wash., Or., Cala., Tex., Nebr.?*; Cat. Orth. U. S., 77 (1900), *Pac. coast, Tex., Nebr.?*

Truxalis

See Tryxalis.

Tryxalis

aoridodes STÅL, Öfv. vet. akad. förhandl., xxx, 52 (1873), *Mex.*

angusticornis STÅL, Rec. Orth., i, 105 (1873), *S. C.*

* **brevicornis** FABR., Syst. ent., 279 (1775), *Amer.*; Ent. syst., ii, 28 (1793), *Id.*; Nom. ent. emend., 80 (1797, 1810), *Id.* — THUNB., Mém. acad. St. Pétersb., v, 264 (1815), *Ind. or. et occ.* — BILLB., Enum. ins., 64 (1820), *Amer.* — THUNB., Nova acta upsäl., ix, 84 (1827), *W. I., S. A., Africa.* — BURM., Handb. ent., ii, 607 (1838), *Car., Brazil.* — STÅL, Rec. Orth., i, 104 (1873), *Penn., Brazil.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 865 (1875), *West. U. S.*; Bull. Ill. mus. nat. hist., i, 61 (1876), *Ill.*; Rep. ent. Ill., ix, 87, 92, 97-98 (1880), *Id.* — SMITH, Cat. ins. N. J., 44 (1890), *N. J.* — BLATCHL., Can. ent., xxiii, 75 (1891), *Ind.* — MCNEILL, Psyche, vi, 66 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 22 (1893), *Nebr.* — GARM., Orth. Ky., 8 (1894), *Ky.* — BLATCHL., Can. ent., xxvi, 22 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 291, pl. 8, figs. 1, 2 (1894), *N. Y.* — BLATCHL., Orth. Ind., 21 (1897), *Ind.* — MCNEILL, Proc. Davenport. acad. nat. sc., vi, 211-212, pl. 1, figs. 5, 5ab (1897), *East. south. U. S., Brazil, Hond., St. Dom.* — BLATCHL., Can. ent., xxx, 61, 63 (1898), *Ind.* — MORSE, Psyche, vii, 325, 383, pl. 7, figs. A, Aab (1898), *N. E.*; *Ibid.*, viii, 318, 321 (1899), *Id.* — MCNEILL, Can. ent., xxxi, 61, 63 (1899), *Ark.* — SCUDN., Cat. Orth. U. S., 19 (1900), *South. U. S.* — SMITH, Ins. N. J., 154 (1900), *N. J.*

See also Gryllus (Tryxalis) brevicornis.

brevipennis THOM., Rep. U. S. geol. surv. terr., v, 58, pl., fig. 12 (1873), *Fla.* — GLOV., Ill. N. A. ent., Orth., pl. 14, fig. 4 (1874) — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 865 (1875), *West. U. S.* — GIR., Traité ent., ii, 218 (1879), *Fla.* — RIL., Stand. nat. hist., ii, 203 (1884), *Id.*

conspersa THOM., Bull. Ill. mus. nat. hist., i, 61 (1876), *Ill.*

gigantea HERBST, Fuessly, Arch. ins., 1786, 191, pl. 52, fig. 6 (1786), *Amer.*

See also Gryllus (Tryxalis) giganteus.

nasuta THUNB., Mém. acad. St. Pétersb., v, 264 (1815), *Ind. or., Africa, China, Barth.*; Nova acta upsäl., ix, 85 (1827), *Ind. or., Cape Good Hope, ins. Barth., China.*

notochlora PALIS., Ins. Afr. Amér., 80, pl. 3, fig. 3 (1807), *St. Dom.*

sumichrasti THOM., Rep. U. S. geol. surv. terr., v, 195 (1873), *Mex.* — GIR., Traité ent., ii, 218 (1879), *Id.*

viridis THOM., Bull. Ill. mus. nat. hist., i, 61 (1876), *Ill.*

viridula PALIS., Ins. Afr. Amér., 81, pl. 3, fig. 4 (1807), *St. Dom.*

Tryxalis (Achurum)

sumichrasti SAUSS., Rev. mag. zool., 1861, 313 (1861), *Mex.*; Orth. nova amer., ii, 15 (1861), *Id.*

Turpilia

appendiculata BRUNN., Mon. Phaner., 326 (1878), *Haiti.*

mexicana BRUNN., Mon. Phaner., 327 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 354, 355 (1898), *Id.*

oblongooculata BRUNN., Mon. Phaner., 326 (1878), *Mex., Guat.* — SAUSS.-PICT., Biol. centr. amer., Orth., 354, pl. 16, fig. 29 (1898), *Mex., Guat., Costa Rica.*

obtusangula BRUNN., Mon. Phaner., 329 (1878), *Cuba.* — BOL., Mém. soc. zool. France, i, 147 (1888), *Id.*; Orth. Cuba, 32 (1888), *Id.* — GUNDL., Ent. cub., ii, 350-351 (1890), *Id.*

ocularis SAUSS.-PICT., Biol. centr. amer., Orth., 354-355 (1898), *Mex.*

opaca BRUNN., Mon. Phaner., 329 (1878), *Mex.* — BOL., Mém. soc. zool. France, i, 147-148 (1888), *Cuba*; Orth. Cuba, 32-33 (1888), *Id.* — GUNDL., Ent. cub., ii, 351-352 (1890), *Id.* — SAUSS.-PICT., Biol. centr. amer., Orth., 354, 356 (1898), *Mex.*

oridiops SAUSS.-PICT., Biol. centr. amer., Orth., 354, 355 (1898), *Mex.*

punctata STÅL, Rec. Orth., ii, 31 (1874), *St. Barthol.* — BRUNN., Mon. Phaner., 330, pl. 7, fig. 94 (1878), *Id.*

rugulosa BRUNN., Mon. Phaner., 328 (1878), *Cuba, Mex.* — BOL., Mém. soc. zool. France, i, 147 (1888), *Id.*; Orth. Cuba, 32 (1888), *Id.* — GUNDL., Ent. cub., ii, 349-350 (1890), *Cuba.* — SAUSS.-PICT., Biol. centr. amer., Orth., 354, 355 (1898), *Mex., Cuba.*

tenella BRUNN., Mon. Phaner., 329 (1878), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 354, 356 (1898), *Id.*

Tylotettix

sinuatus MORSE Biol. centr. amer., Orth., ii, 6, fig. (1900), *Nicar.*

Tytthotyle

maculata SCUDD., Can. ent., xxix, 74-75 (1897), *Southw. U. S.*; Cat. Orth. I. S., 44 (1900), *Extreme southw. U. S.*

Udeopsylla

compacta BRUN., Can. ent., xxiii, 38-39 (1891), *Kans., Nebr., Dak.*; Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

gigantea BRUN., Can. ent., xxiii, 39 (1891), *Kans., Nebr., Ind. Terr.*; Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

nigra SCUDD., Can. nat., vii, 284-285 (1862), *Minn., Manit.*; Bost. jour. nat. hist., vii, 443 (1862), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Minn.* — THOM., Rep. U. S. geol. surv. w. 100 mer., v, 902 (1875), *West. U. S.* — BROADH., Trans. St. Louis acad. sc., iii, 345 (1876), *Mo.* — BRUN., Bull. Washb. coll., i, 195 (1886), *Kans., Ill., Nebr., Minn., Dak., Cal.* — CAULF., Can. rec. sc., ii, 395 (1887), *Manit.*; Can. Orth., 7 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 63, 69 (1888), *Id.* — BRUN., Verh. zool.-bot. ges. Wien, 1888, 304 (1888), *Minn.*; Mon. Stenop., 60 (1888), *Id.* — MCNEILL, Psyche, vi, 27 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — BATCHILL, Proc. Ind.

acad. sc., 1892, 153 (1894), *Iowa, Nebr., Ill.* — SCUDD., Proc. amer. acad. arts sc., xxx, 109-110 (1894), *Miss. Riv. to Rocky Mts. betw. 37°-50° N. Lat., Ariz., Cala., N. C. ?* — COCK., Bull. agric. exp. st. N. Mex. coll. agric., xv, 80 (1895), *N. Mex.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — LUGG., Orth. Minn., 253 (1898), *Minn.* — SCUDD., [End-] Can. ent., xxxi, 121 (1899), *Cala.*; Cat. Orth. U. S., 85 (1900), *Miss. Riv. to Rocky Mts., Ill., Ariz., Cala.*

robusta SCUDD., Bost. journ. nat. hist., vii, 442-443 (1862), *Nebr.* — PACK., Guide ins., 565 (1869), *Id.* — WALK., Cat. Derm. salt. Brit. mus., i, 205 (1869), *Id.* — THOM., Proc. acad. nat. sc. Philad., 1870, 77 (1870), *Col.* — GLOV., Rep. U. S. dep. agric., 1871, 79 (1871), *Utah.* — SCUDD., Rep. U. S. geol. surv. Nebr., 249 (1871), *Nebr.* — THOM., Ann. rep. U. S. geol. surv. terr., ii, 265 (1871), *Cala., Wyo., Utah.*; Ibid., v, 437 (1872), *Wyo., Col., Utah, Idaho.* — GLOV., Ill. N. A. ent., Orth., pl. 8, fig. 9 (1872). — SCUDD., Ann. rep. chief eng., 1876, 499 (1876), *N. Mex.*; Ann. rep. U. S. geol. surv. w. 100 mer., 1876, 279 (1876), *Id.* — THOM., Bull. U. S. geol. surv. terr., iv, 485 (1878), *Ill., Dak., Mont.* — SCUDD., Rep. U. S. ent. comm., ii, App., 23 (1881), *Col.* — BRUN., Bull. Washb. coll., i, 127 (1885), *Kans.* — BRUNN., Verh. zool.-bot. ges. Wien, 1888, 303-304, fig. 31 (1888), *Nebr., Mo., N. Mex., Tex.*; Mon. Stenop., 59-60, fig. 31 (1888), *Id.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — SCUDD., Proc. amer. acad. arts sc., xxx, 109, 110-111 (1894), *N. Dak., Wyo., Iowa, Nebr., Kans., Col., N. Mex., Tex., Cala., Mont., Idaho, Mo., Utah, Ill.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa.* — SAUSS.-PICT., Biol. centr. amer., Orth., 300 (1897), *Nebr., Mo., Minn., N. Mex., Tex.* — LUGG., Orth. Minn., 254, fig. 165 (1898), *Minn.* — SCUDD., Cat. Orth. U. S., 85 (1900), *Miss. Riv. to Rocky Mts., Cala.*

Valna

alipes WALK., Cat. Derm. salt. Brit. mus., ii, 358 (1869), *Mex., Colomb.*

Vates

annectens REHN, Trans. amer. ent. soc., xxvii, 85-87 (1900), *Mex.*

longicollis SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 195-196 (1894), *Mex.*

paraensis SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 195, pl. 6, fig. 1, pl. 10, figs. 28, 29 (1894), *Mex., Amazons.*

pectinata SAUSS., Mant. amér., 163-164, pl. 2, fig. 34 (1871), *Mex.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 196, pl. 6, figs. 4, 5, pl. 10, figs. 30-32 (1894), *Id.*

pectinicornis SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 197 (1894), *Pan.*

tolteca SAUSS., Mant. amér., 167-168 (1871), *Mex.*; Miss. scient. Mex., Rech. zool., vi, 291-292, pl. 5, figs. 3, 3a-c (1872), *Id.* — BORRE, Ann. soc. ent. Belg., xxvii, 78 (1883), *Id.*; Liste Mant., 21 (1883), *Id.* — SAUSS.-ZEHNEN., Biol. centr. amer., Orth., 194-195 (1894), *Id.*

Vilerna

aeneo-oculata BRUNN.-REDT., Proc. zool. soc. Lond., 1892, 209 (1892), *St. Vinc., Surinam*. — BRUNN., *Ibid.* 1893, 606 (1893), *Grenada, St. Vinc.* — GIGL.-TOS., Boll. mus. zool. univ. Tor., xii, no. 301, 5 (1897), *Darien*.

Xabea

bipunctata RIL., Bull. U. S. ent. commun., vi, 61-62 (1881). — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa*. — MORSE, Psyche, vi, 406 (1893), *Conn.* — BEUT., Bull. amer. mus. nat. hist., vi, 272, pl. 5, fig. 14 (1894), *N. Y.* — BLATCHL., Orth. Ind., 23 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 237 (1897), *Iowa*.

Xanthippus

affricatus. See Hippiscus (Xanthippus) affricatus.

albulus. See Hippiscus (Xanthippus) albulus.

altivolus. See Hippiscus (Xanthippus) altivolus.

aurilegulus. See Hippiscus (Xanthippus) aurilegulus.

calthulus SAUSS., Prodr. Oedip., 90, 93 (1884), *Nev.*

See also Hippiscus (Xanthippus) calthulus.

conspicuus. See Hippiscus (Xanthippus) conspicuus.

corallipes SAUSS., Prodr. Oedip., 89, 90 (1884), *Utah, Tex.*

See also Hippiscus (Xanthippus) corallipes.

cupidus. See Hippiscus (Xanthippus) cupidus.

eremitus. See Hippiscus (Xanthippus) eremitus.

griseus. See Hippiscus (Xanthippus) griseus.

ingens SAUSS., Prodr. Oedip., 93 (1884), *Calu.*

lateritius SAUSS., Prodr. Oedip., 90, 92-93 (1884), *Nev.*

See also Hippiscus (Xanthippus) lateritius.

latifasciatus. See Hippiscus (Xanthippus) latifasciatus.

leprosus SAUSS., Prodr. Oedip., 90, 92 (1884), *N. Mex.*

See also Hippiscus (Xanthippus) leprosus.

maculatus. See Hippiscus (Xanthippus) maculatus.

montanus. See Hippiscus (Xanthippus) montanus.

neglectus SAUSS., Prodr. Oedip., 90, 94-95 (1884), *Nev.*

See also Hippiscus (Xanthippus) neglectus.

obsurus. See Hippiscus (Xanthippus) obscurus.

paradoxus. See Hippiscus (Xanthippus) paradoxus.

pardalinus SAUSS., Prodr. Oedip., 89, 90-91 (1884), *Mex., N. Mex., Calu., Antill., Venez.*

See also Hippiscus (Xanthippus) pardalinus.

pumilus. See Hippiscus (Xanthippus) pumilus.

stigmatosus. See Hippiscus (Xanthippus) stigmatosus.

tigrinus. See *Hippiscus* (*Xanthippus*) *tigrinus*.

toltecus SAUSS., Prodr. Oedip., 89, 91-92 (1884), *Mex.*

See also *Hippiscus* (*Xanthippus*) *toltecus*.

vitellinus SAUSS., Prodr. Oedip., 90, 94 (1884), *Nev.*

See also *Hippiscus* (*Xanthippus*) *vitellinus*.

zapotecus SAUSS., Prodr. Oedip., 89, 91 (1884), *Mex.* — TOWNS., *Ins. life*, vi, 81-82 (1893), *N. Mex.*

See also *Hippiscus* (*Xanthippus*) *zapotecus*.

Xeropteryx

fumosa BRUNN., Mon. Pseudoph., 109, pl. 5, fig. 45 (1895), *S. A., Guadeloupe*. — SAUSS.-PICT., Biol. centr. amer., Orth., 405 (1898), *Id.*

Xestoptera

cornea BRUNN., Mon. Pseudoph., 244, pl. 9, fig. 106 (1895), *Mex.* — SAUSS.-PICT., Biol. centr. amer., Orth., 448 (1898), *Id.*

Xiphicera

See *Xiphocera*.

Xiphidium

agile BURM., Handb. ent., ii, 707 (1838), *S. C.* — THOM., Trans. Ill. st. agric. soc., v, 445 (1865), *Ill.* — STÅL, Rec. Orth., ii, 114 (1874), *Penn.* — SAUSS.-PICT., Biol. centr. amer., Orth., 396, 397 (1898), *South. U. S.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr., N. J.*

See also *Locusta* (*Xiphidium*) *agilis*.

angustifrons GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 29 (1896) *Darien*. — SAUSS.-PICT., Biol. centr. amer., Orth., 397, 400 (1898), *Pan., Colomb.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Darien*.

attenuatum SCUDD., Trans. amer. ent. soc., ii, 305 (1869), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl., 35 (1871), *Id.* — REDT., Verh. zool.-bot. ges. Wien, 1891, 505-506 (1891), *Id.* — BRUN., Can. ent., xxiii, 57-58 (1891), *Nebr.*; Ent. news, iii, 265 (1892); Publ. Nebr. acad. sc., iii, 30 (1893), *Id.* — BLATCHL., Can. ent., xxv, 93 (1893), *Ind.*; Proc. Ind. acad. sc., 1892, 128-129 (1894), *Id.*; Orth. Ind., 22 (1897), *Id.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa*. — LUGG., Orth. Minn., 243-244, fig. 159 (1898), *Minn.* — SCUDD., Can. ent., xxx, 183 (1898), *U. S.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr.* — BLATCHL., Gleanings, 219, fig. 51 (1899), *Ind.* — SCUDD., Cat. Orth. U. S., 74 (1900), *Ind. to Nebr. and Minn.*

brevipenne SCUDD., Can. nat., vii, 285 (1862), *Manit.*; Bost. journ. nat. hist., vii, 451 (1862), *Mass., Me.* — SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me.* — WALK., Cat. Derm. salt. Brit. mus., ii, 270 (1869), *U. S.*; *Ibid.*,

v, Suppl., 35 (1871), *Mass.* — GLOV., Ill. N. A. ent., Orth., pl. 4, fig. 11 (1872). — SMITH, Rep. Conn. bd. agric., 1872, 358, 380 (1872), *Conn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 368 (1874), *N. H. to Penn., Mich.* — PROV., Faune ent. Can., ii, 29 (1877), *Can.* — SCUDD., Rep. U. S. ent. comm., ii, App., 23 (1881), *Cal.* — RIL., Stand. nat. hist., ii, 186 (1884), *U. S.* — CAULF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 397 (1887), *Can.*; Can. Orth., 10 (1887), *Id.* — BOL., Mém. soc. zool. France, i, 152 (1888), *Cuba*; Orth. Cuba, 37 (1888), *Id.* — COMST., Intr. ent., 114 (1888). — FERN., Ann. rep. Mass. agric. coll., xxv, 108 (1888), *N. E.*; Orth. N. E., 24 (1888), *Id.* — PACK., Psyche, v, 197-198 (1889). — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.*; Bull. N. J. exp. st., K., 41 (1890). — GUNDL., Ent. cub., ii, 362 (1890), *Cuba*. — REDT., Verh. zool.-bot. ges. Wien, 1891, 520-521, pl. 4, fig. 91 (1891), *Car., Mass., N. Y., Tex., Brit. Amer., Cuba, Iowa*. — BRUN., Can. ent., xxiii, 59 (1891). — MCNEILL, Psyche, vi, 24 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 119 (1892), *Iowa*. — SMITH, Bull. N. J. exp. st., xc, 4, 6, 7, 31, pl. 2 (1892), *N. J.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* — BLATCHL., Proc. Ind. acad. sc., 1892, 121-122 (1894), *Ind.* — BEUT., Bull. amer. mus. nat. hist., vi, 283-284, pl. 6, fig. 6 (1894), *N. Y.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — BALL, Proc. Iowa acad. sc., iv, 238 (1897), *Iowa*. — LUGG., Orth. Minn., 239-240 (1898), *Minn.* — SCUDD., Can. ent., xxx, 184 (1898), *U. S.* — SAUSS.-PICT., Biol. centr. amer., Orth., 397, 399 (1898), *Can., U. S., Cuba*. — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr., N. Y.* — SCUDD., Cat. Orth. U. S., 74 (1900), *U. S. and Can., Rocky Mts. to Atl.* — FOGG, Proc. Manch. inst. arts sc., i, 45 (1900), *N. H.* — SCUDD., Psyche, ix, 103 (1900), *N. E.* — SMITH, Ins. N. J., 162 (1900), *N. J.*

bruneri GRIFF., Tent. cat. Conoceph., 12 (1899), *Ind.*

campestre GRIFF., Tent. cat. Conoceph., 12 (1899), *Ind.*

cinereum STÅL, Rec. Orth., ii, 113 (1874), *Jam.*

concinnum GARM., Orth. Ky., 7 (1884), *Ky.* — FERN., Ann. rep. Mass. agric. coll., xxv, 108, 109 (1888), *N. E.*; Orth. N. E., 24, 25 (1888), *Id.* — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr., N. Y.*

curtipenne REDT., Verh. zool.-bot. ges. Wien, 1891, 522 (1891), *Mo.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.*

cuticulare SAUSS.-PICT., Biol. centr. amer., Orth., 396, 398 (1898), *N. A.*

delicatum GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr.*

ensiferum SCUDD., Bost. journ. nat. hist., vii, 451-452 (1862), *Ill.* — WALK., Cat. Derm. salt. Brit. mus., ii, 270 (1869), *Id.* — SCUDD., Proc. Bost. soc. nat. hist., xix, 83 (1877), *Fla.*; Ent. notes, vi, 24 (1878), *Id.*; Rep. U. S. ent. comm., ii, App., 23 (1881), *Nev.* — RIL., Stand. nat. hist., ii, 186 (1884), *South. west. U. S.* — COMST., Intr. ent., 114 (1888). — WHEEL., Ins. life, ii, 222-225 (1890). — REDT., Verh. zool.-bot. ges. Wien, 1891, 523-524 (1891), *Tex., Ill., Iowa*. — BRUN., Can. ent., xxiii, 59 (1891). — MCNEILL, Psyche, vi, 24 (1891), *Ill.* — BRUN., Publ. Nebr. acad. sc., iii, 31 (1893), *Nebr.* —

BLATCHL., Proc. Ind. acad. nat. sc., 1892, 123-124 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — LUGG., Orth. Minn., 240-241 (1898), *Minn.* — SCUDD., Can. ent., xxx, 183 (1898), *U. S.* — SAUSS.-PICT., Biol. centr. amer., Orth., 397, 400 (1898), *Ill.*, *Iowa*, *Tex.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr.* — SCUDD., Cat. Orth. U. S., 74 (1900), *Miss. vall.*

fasciatum SERV., Ann. sc. nat., xxii, 159 (1831), *Penn.* — BURM., Handb. ent., ii, 708 (1838), *Centr. Amer.* — SCUDD., Can. ent., vii, 285 (1862), *Manit.*; Bost. journ. nat. hist., vii, 451 (1862), *Mass.*, *Me.*, *R. I.*, *Conn.*, *Vt.* — THOM., Trans. Ill. st. agric. soc., v, 444 (1865), *Ill.* — SMITH, Proc. Portl. soc. nat. hist., i, 145 (1868), *Me.* — PACK., Guide ins., 567 (1869), *Atl. st.* — WALK., Cat. Derm. salt. Brit. mus., ii, 270 (1869), *U. S.*, *Nova Scotia*, *Mex.* — THOM., Rep. U. S. geol. surv. terr., ii, 265 (1871), *Col.* — WALK., Can. ent., iv, 30 (1872), *Nova Scotia.* — SMITH, Rep. Conn. bd. agric., 1872, 358, 380 (1872), *Conn.* — GLOY., Ill. N. A. ent., Orth., pl. 4, fig. 10 (1872). — STAL., Rec. Orth., ii, 113 (1874), *Penn.* — SCUDD., Hitchc., Rep. geol. N. H., i, 368 (1874), *N. H. to Md.*, *Ill.* — PROV., Faune ent. Can., ii, 29 (1877), *Can.* — BESS., Bienn. rep. Iowa agric. coll., vii, 207 (1877), *Iowa.* — SCUDD., Rep. U. S. ent. comm., ii, App., 23 (1881), *Or.* — RIL., Stand. nat. hist., ii, 186 (1884), *U. S.* — BRUN., Bull. Washb. coll., i, 128 (1885), *Kans.* — CALCLF., Can. ent., xviii, 212 (1886), *Montreal*; Can. rec. sc., ii, 397 (1887), *Can.*; Can. Orth., 9-10 (1887), *Id.*; Rep. ent. soc. Ont., xviii, 64, 70 (1888), *Id.* — BOL., Mém. soc. zool. France, i, 152 (1888), *Cuba*; Orth. Cuba, 37 (1888), *Id.* — FERN., Ann. rep. Mass. agric. coll., xxv, 108 (1888), *N. E.*; Orth. N. E., 24 (1888), *Id.* — COMST., Intr. ent., 114 (1888). — DAV., Ent. amer., v, 80 (1889), *Staten Is.* — GUNDL., Ent. cub., ii, 362-363 (1890), *Cuba.* — SMITH, Cat. ins. N. J., 411 (1890), *N. J.*; Bull. N. J. exp. st., K, 41 (1890). — REDT., Verh. zool.-bot. ges. Wien, 1891, 506-507, pl. 4, fig. 82 (1891), *Brit. Amer.*, *Car.*, *Tex.*, *Mex.*, *Pan.*, *Costa Rica*, *Cuba*, *Guadeloupe*, *Surinam*, *Cayenne*, *Porto Rico*, *Argent.* — BRUN., Can. ent., xxiii, 59 (1891). — MCNEILL, Psyche, vi, 24 (1891), *Ill.* — OSB., Proc. Iowa acad. sc., i, pt. 2, 118 (1892), *Iowa.* — SMITH, Bull. N. J. exp. st., xc, 4, 6, 8, 12, 22, 31, figs. 4c, 13d, pl. 2 (2 figs.) (1892), *N. J.* — SCUDD., Rep. ent. soc. Ont., xxiii, 75 (1893). — BRUN., Publ. Nebr. acad. sc., iii, 30 (1893), *Nebr.* — OSB., Ins. life, vi, 80-81 (1893). — BLATCHL., Proc. Ind. acad. sc., 1892, 119-120 (1894), *Ind.* — GARM., Orth. Ky., 7 (1894), *Ky.* — BEUT., Bull. amer. mus. nat. hist., vi, 283, pl. 6, fig. 7 (1894), *N. Y.* — PIERS, Trans. Nova Scot. inst. sc., ix, 213 (1896), *Nova Scotia.* — GRIFF., Boll. mus. zool. univ. Tor., xi, no. 232, 30 (1896), *Darien.* — BLATCHL., Orth. Ind., 22 (1897), *Ind.* — HARV.-KNIGHT, Psyche, viii, 77 (1897), *Me.* — BALL., Proc. Iowa acad. sc., iv, 238 (1897), *Iowa.* — LUGG., Orth. Minn., 238-239, figs. 157, 158 (1898), *Minn.* — SCUDD., Can. ent., xxx, 184 (1898), *U. S.* — SAUSS.-PICT., Biol. centr. amer., Orth., 396, 398 (1898), *U. S.*, *Mex.*, *Guat.*, *Costa Rica*, *Pan.*, *Guiana*, *Argent.*, *Antill.* — GRIFF., Tent. cat. Conoceph., 12 (1899), *Nebr.*, *N. Y.*, *Paraguay*, *Darien.* — SCUDD., Cat. Orth. U. S., 74-75 (1900), *U. S. and Can.*, *Rocky Mts. to Atl.* — FOGG, Proc. Manch. inst.

arborescens, i, 45 (1900), *N. H.* — SCUDD., *Psyche*, ix, 104 (1900), *N. E.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

fasciatum saltator GRIFF., *Boll. mus. zool. univ. Tor.*, xi, no. 232, 30 (1896), *Darien*; *Tent. cat. Conoceph.*, 12 (1899), *St. Vinc., Grenada, Darien*.

fuscum. See *Locusta (Xiphidium) fusca*.

glaberrimum BURM., *Handb. ent.*, ii, 707 (1838), *S. C.* — FERN., *Ann. rep. Mass. agric. coll.*, xxv, 108, 109 (1888), *N. E.*; *Orth. N. E.*, 24, 25 (1888), *Id.* — GARM., *Orth. Ky.*, 7 (1894), *Ky.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 397 (1898), *South. U. S.* — GRIFF., *Tent. cat. Conoceph.*, 12 (1899), *Nebr.*

See also *Locusta (Xiphidium) glaberrima*.

gladiator GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*

glaucum. See *Locusta (Xiphidium) glauca*.

gossypii SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 461-462 (1875), *Tex.*, *Miss.*, *Ark.*; *Ent. notes*, iv, 64-65 (1875), *Id.*; *Cent. Orth.*, 14-15 (1879), *Id.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 31 (1893), *Nebr.* — SCUDD., *Can. ent.*, xxx, 184 (1898), *U. S.* — GRIFF., [*gossypii*] *Tent. cat. Conoceph.*, 13 (1899), *Nebr.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Nebr. to Tex. and Miss.*

gracilinum GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*

ictum SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 461 (1875), *Mex.*, *Guat.*; *Ent. notes*, iv, 64 (1875), *Id.*; *Cent. Orth.*, 14 (1879), *Id.* — REDT., *Verh. zool.-bot. ges. Wien*, 1891, 512 (1891), *Mex.* — BRUN., *Can. ent.*, xxiii, 59 (1891). — SCUDD., *Proc. Bost. soc. nat. hist.*, xxvii, 214, 218 (1896). — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 397, 400 (1898), *Id.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Mex.*, *Guat.* — REHN, *Trans. amer. ent. soc.*, xxvii, 89 (1900), *Mex.*

indianense GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Ind.*

thermophilum SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 397 (1898), *Tex.*, *Kans.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*

lanceolatum BRUN., *Can. ent.*, xxiii, 59 (1891); *Ent. news*, iii, 265 (1892). — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Id.*

longicauda WALSH, *Ril.*, *Ins. life*, iv, 303 (1892).

longipenne OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 119 (1892), *Iowa.*

mexicanum SAUSS., *Rev. mag. zool.*, 1859, 298 (1859), *Mex.*; *Orth. nova amer.*, i, 11 (1859), *Id.* — WALK., *Cat. Derm. salt. Brit. mus.*, ii, 270 (1869), *Id.* — REDT., *Verh. zool.-bot. ges. Wien*, 1891, 524 (1891), *Mex.*, *Guat.* — BRUN., *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 67 (1895), *Nicar.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 397, 400 (1898), *Mex.*, *Guat.*

modestum BRUN., *Can. ent.*, xxiii, 56-57 (1891), *Nebr.*, *Kans.*, *Iowa*, *Dak.*; *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 126-127 (1894), *Ind.*; *Orth. Ind.*, 22 (1897), *Id.* — LUGG., *Orth. Minn.*, 242 (1898), *Minn.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Kans.*, *Nebr.*

memorale SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 462 (1875), *Iowa*; *Ent. notes*, iv, 65 (1875), *Id.*; *Cent. Orth.*, 15 (1879), *Id.* — BRUN., *Can.*

ent., xxiii, 59 (1891). — McNEILL, *Psyche*, vi, 24-25 (1891), *Ill.* — SCUDD., *Rep. ent. soc. Ont.*, xxiii, 75 (1893). — BRUN., *Publ. Nebr. acad. sc.*, iii, 31 (1893), *Nebr.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 122-123 (1894), *Ind.* — GARM., *Orth. Ky.*, 7 (1894), *Ky.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 284 (1894), *N. J.*; *Journ. N. Y. ent. soc.*, ii, 192 (1894), *N. Y.* — BRUN., *Nebr. st. hort. rep.*, 1895, 69 (1895). — BLATCHL., *Orth. Ind.*, 22 (1897), *Ind.* — BALL, *Proc. Iowa acad. sc.*, iv, 238 (1897), *Iowa.* — LUGG., *Orth. Minn.*, 240 (1898), *Minn.* — SCUDD., *Can. ent.*, xxx, 184 (1898), *U. S.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*, *N. Y.* — BLATCHL., *Gleanings*, 220 (1899), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Upp. Miss. vall.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

nigripes GARM., *Orth. Ky.*, 7 (1894), *Ky.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 398 (1898), *Mo.*, *Col.*, *Kans.*, *Tex.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*

nigropleura BRUN., *Can. ent.*, xxiii, 58-59 (1891), *Nebr.* — OSB., *Proc. Iowa acad. sc.*, i, pt. 2, 118 (1892), *Iowa.* — BLATCHL., *Can. ent.*, xxv, 90 (1893), *Ind.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 31 (1893), *Nebr.* — BEUT., *Bull. amer. mus. nat. hist.*, vi, 284 (1894), *N. Y.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 125-126 (1894), *Ind.*, *N. Y.*; *Orth. Ind.*, 22 (1897), *Ind.* — BALL, *Proc. Iowa acad. sc.*, iv, 238 (1897), *Iowa.* — LUGG., *Orth. Minn.*, 241-242 (1898), *Minn.* — SCUDD., *Can. ent.*, xxx, 184 (1898), *U. S.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Kans.*, *Nebr.*, *N. Y.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *N. Y. to Nebr. and Minn.*

nitidum SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 398 (1898), *Geo.*

propinquum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 522-523 (1891), *Guat.*, *Venez.*, *St. Vinc.* — BRUNN.-REDT., *Proc. zool. soc. Lond.*, 1892, 216 (1892), *Id.* — BRUNN., *Ibid.*, 1893, 608 (1893), *Id.*, *Grenada.* — GRIFF., *Boll. mus. zool. univ. Tor.*, xi, no. 232, 29-30 (1896), *Darien*, *Venez.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 397, 400 (1898), *Guat.*, *Pan.*, *Venez.*, *St. Vinc.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *St. Vinc.*, *Grenada*, *Darien.*

resinum SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 398, pl. 19, figs. 26, 27 (1898), *Mex.*

robustum GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.*

saltans SCUDD., *Rep. U. S. geol. surv. Nebr.*, 249 (1871), *Nebr.*; Daws., *Rep. geol.* 49 par., 343 (1875), *Nebr.*, *Souris Riv.*; Butt. *Orth. Brit. N. A. bound. comm.*, 3 (1875), *Id.* — BRUN., *Bull. Washb. coll.*, i, 128 (1885), *Kans.* — CAULE., *Can. rec. sc.*, ii, 397 (1887), *Souris Riv.*; *Can. Orth.*, 10 (1887), *Id.*; *Rep. ent. soc. Ont.*, xviii, 64, 70 (1888), *Id.* — SMITH, *Cat. ins. N. J.*, 411 (1890), *N. J.* — BRUN., *Can. ent.*, xxiii, 29 (1891); *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — BLATCHL., *Proc. Ind. acad. sc.*, 1892, 152 (1894), *Kans.*, *Nebr.* — SCUDD., *Can. ent.*, xxx, 184 (1898), *U. S.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Nebr.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Rocky Mts. to Miss. Riv.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

saltator REDT., *Verh. zool.-bot. ges. Wien*, 1891, 507 (1891), *Cuba*, *St. Vinc.*, *Pan.*, *Colomb.*, *Venez.*, *Guiana*, *Brazil*, *Uruguay.* — BRUNN.-REDT.,

Proc. zool. soc. Lond., 1892, 215 (1892), *Id.* — BRUNN., *Ibid.*, 1893, 608 (1893), *Id.*, *Grenada.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 399, pl. 19, fig. 28 (1898), *Colomb.*, *Venez.*, *Guiana*, *Amazons*, *Brazil*, *Antill.*

See also Xiphidium fasciatum saltator.

scudderi BLATCHL., *Can. ent.*, xxiv, 26-27 (1892), *Ind.* — SCUDD., *Ibid.*, xxx, 183 (1898), *U. S.* — GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Ind.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Id.*

silvaticum GRIFF., *Tent. cat. Conoceph.*, 13 (1899), *Ill.*

strictum SCUDD., *Proc. Bost. soc. nat. hist.*, xvii, 460 (1875), *Tex.*; *Ent. notes*, iv, 63 (1875), *Id.*; *Cent. Orth.*, 13 (1879), *Id.* — BRUN., *Bull. Washb. coll.*, i, 128 (1885), *Kans.*, *Tex.*, *Nebr.* — SMITH, *Cat. ins. N. J.*, 411 (1890), *N. J.* — REDT., *Verh. zool.-bot. ges.* Wien, 1891, 519 (1891), *Tex.*, *east. centr. U. S.* — BRUN., *Can. ent.*, xxiii, 59 (1891). — McNEILL, *Psyche*, vi, 24 (1891), *Ill.* — BRUN., *Publ. Nebr. acad. sc.*, iii, 30 (1893), *Nebr.* — BLATCHL., *Can. ent.*, xxv, 92 (1893), *Ind.*; *Proc. Ind. acad. sc.*, 1892, 127-128 (1894), *Id.*; *Orth. Ind.*, 22 (1897), *Id.* — LUGG., *Orth. Minn.*, 242 (1898), *Minn.* — SCUDD., *Can. ent.*, xxx, 183 (1898), *U. S.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 399 (1898), *East. and centr. U. S.*, *Tex.* — GRIFF., *Tent. cat. Conoceph.*, 14 (1899), *Nebr.* — SCUDD., *Cat. Orth. U. S.*, 75 (1900), *Miss. vall.* — SMITH, *Ins. N. J.*, 162 (1900), *N. J.*

taeniatum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 520 (1891), *Tex.* — SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 397, 399 (1898), *Id.*

unispina SAUSS.-PICT., *Biol. centr. amer.*, *Orth.*, 396, 398-399 (1898), *Mex.*

volantum GRIFF., *Tent. cat. Conoceph.*, 14 (1899), *Ill.*

vulgare FERN., *Ann. rep. Mass. agric. coll.*, xxv, 108 (1888), *N. E.*; *Orth. N. E.*, 24 (1888), *Id.* — DAV., *Ent. amer.*, v, 80 (1889), *Staten Is.* — GRIFF., *Tent. cat. Conoceph.*, 14 (1899), *N. Y.*

Xiphidium (Orchelimum)

agile REDT., *Verh. zool.-bot. ges. Wien*, 1891, 500-501 (1891), *Mass.*, *N. H.*, *Conn.*, *S. C.*, *Md.*, *Ill.*, *Kans.*

concinnum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 502 (1891), *Mass.*, *Conn.*

cuticulare REDT., *Verh. zool.-bot. ges. Wien*, 1891, 503 (1891), *Tex.*

glaberrimum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 501 (1891), *Tex.*, *Mo.*, *Geo.*, *S. C.*, *Col.*, *Rocky Mts.*, *Conn.*, *Tenn.*, *Kans.*

inermis REDT., *Verh. zool.-bot. ges. Wien*, 1891, 501-502 (1891), *Tex.*, *Kans.*

laticauda REDT., *Verh. zool.-bot. ges. Wien*, 1891, 504 (1891), *La.*

nigripes REDT., *Verh. zool.-bot. ges. Wien*, 1891, 502-503 (1891), *Tex.*, *Mo.*, *Col.*, *Rocky Mts.*, *Kans.*

nitidum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 503 (1891), *Geo.*

robustum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 499-500 (1891), *La.*

spinulosum REDT., *Verh. zool.-bot. ges. Wien*, 1891, 503-504 (1891), *N. C.*

Xiphocera

emarginata SERV., Orth., 612 (1839), *Brazil, N. A.* — WALK., Cat. Derm. salt. Brit. mus., iii, 520 (1870), *Id.*

inclarata WALK., Cat. Derm. salt. Brit. mus., iii, 523 (1870), *Mex.* — THOM., Rep. U. S. geol. surv. terr., v, 242 (1873), *Id.*

pygmaea SAUSS., Rev. mag. zool., 1861, 156 (1861), *Mex.*; Orth. nova amer., ii, 6 (1861), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 520, 597 (1870), *Id.* — THOM., Rep. U. S. geol. surv. terr., v, 242 (1873), *Id.*; Bull. U. S. geol. surv. terr., i, no. 2, ser. 1, 69 (1874), *Id.*

serripes LAM., Hist. nat. anim. sans vert., iv, 244 (1817), *Indes*; *Ibid.*, 2 ed., iv, 445 (1835), *Id.*; *Ibid.*, 3 ed., ii, 153 (1839), *Id.* — WALK., Cat. Derm. salt. Brit. mus., iii, 520 (1870), *W. I.*

Xya

apicalis UHL., Say, Ent. N. A., ii, 239 (1859), *South. west. st.* — BRUNN., Rév. syst. Orth., 195 (1893), *Burmah, N. A., S. A.*

See also Tridactylus (Xya) apicalis.

fissipes. *See* Tridactylus (Xya) fissipes.

mixta HALD., Proc. acad. nat. sc. Philad., vi, 364 (1853), *Tex.*

See also Tridactylus (Xya) mixtus.

terminalis. *See* Tridactylus (Xya) terminalis.

Xylodus

adumbratus SAUSS., Rev. mag. zool., 1859, 62 (1859), *Porto Rico*; Orth. nova amer., i, 4 (1859), *Id.*

See also Acanthoderus (Xylodus) adumbratus, and Phibalosoma (Xylodus) adumbratum.

Xyronotus

aztecus SAUSS., Bol., Mon. Pirgom., 96-97, pl. 2, figs. 12, 12a-c (1884), *Mex.* — KARSCH, Ent. nachr., xiv, 343 (1888), *Id.*

Yersinia

mexicana SAUSS., Mitth. schweiz. ent. ges., iii, 72 (1869), *Mex.* — STÅL, Bih. sv. vet.-akad. handl., iv, no. 10, 52 (1877), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 153-154 (1894), *Id.*

See also Ameles (Yersinia) mexicana.

solitaria SCUDD., Can. ent. xxviii, 209 (1896), *Col.*; Cat. Orth. U. S., 14 (1900), *Col., Nebr.*

Zaora

cinctipes WALK., Cat. Derm. salt. Brit. mus., i, 89-90 (1869), *Jam.* — THOM., Amer. ent., ii, 206 (1870), *Id.* — SAUSS., Miss. scient. Mex., Rech. zool., vi, 518 (1879), *Antill.*

Zetobora

cicatricosa BRUNN., Blatt., 201 (1865), *Para., Cuba.* — WALK., Cat. Blatt. Brit. mus., 51 (1868), *Cuba.* — BOL., Mém. soc. zool. France, i, 132 (1888), *Id.*; Orth. Cuba, 17 (1888), *Id.* — GUNDL., Ent. cub., ii, 317 (1890), *Id.*

See also Blatta (Zetobora) cicatricosa.

conspersa. *See* Blatta (Zetobora) conspersa.

fissicollis BRUNN., Blatt., 202 (1865), *Cayenne, Cuba.* — BOL., Mém. soc. zool. France, i, 132 (1888), *Cayenne, not Cuba*; Orth. Cuba, 17 (1888), *Id.*

guttipennis WALK., Cat. Derm. salt. Brit. mus., i, 123 (1869), *Mex.*

maximilianf SAUSS., Rev. mag. zool., (2), xx, 357 (1868), *Mex.* — WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 8 (1871), *Id.* — SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 102 (1893), *Mex., Guat.*

patula WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 8 (1871), *Nicar.*

phoraspoides WALK., Cat. Derm. salt. Brit. mus., v, Suppl. cat. Blatt., 8-9 (1871), *Nicar.*

sigillata WALK., Cat. Blatt. Brit. mus., 51 (1868), *Hond.*

sublobata SAUSS.-ZEHNTN., Biol. centr. amer., Orth., 102 (1893), *Guat.* — BIOLL., Inf. mus. nac. Costa Rica, 1899-1900, 48 (1900), *Costa Rica.*

Zetobora (Phortioeca)

cicatricosa SAUSS., Orth. Amér. moy., 213 (1864), *Cuba*; Miss. scient. Mex., Rech. zool., vi, 107 (1870), *S. A.*

maximiliani SAUSS., Miss. scient. Mex., Rech. zool., vi, 105-106 (1870), *Mex.*

The following was inadvertently omitted in its proper place:—

Acridium

emarginatum COCK., Ent., xxi, 301 (1888), *Col.*

LITERATURE CITED.

Abbe, Cleveland. A relation between meteorology and the grasshopper or locust pest. Amer. nat., xiv, 735-738. Philadelphia, 1880. 8°.

Afzelius, Adamus. Achetae guineenses quas consensu exp. fac. med. Ups. proponunt Adamus Afzelius et Fredericus Wilhelmus Brahmus. 34 pp., 1 pl. Upsaliae, 1804. 4°.

Allis, Elliot Warren. Oecanthus. Can. ent., xviii, 79. London, 1886. 8°.

Ashmead, William Harris. Description of a new chalcid, parasitic on Mantis carolina Say. Can. ent., xviii, 57-58. London, 1886. 8°.

— Report on insects injurious to garden crops in Florida. Bull. div. ent. U. S. dep. agric., xiv, 9-29. Washington, 1887. 8°.

— Notes on cotton insects found in Mississippi. Ins. life, vii, 25-29. Washington, 1894. 8°.

Audouin, Jean Victor, and Brullé, Auguste. Histoire naturelle des insectes, traitant de leur organisation et de leurs mœurs en général; et comprenant leur classification et la description des espèces. Tomes iv-vi, ix. 4 vols. Paris, 1834-38. 8°. (Orthoptera, ix, 1-230. 1835). •

Ayers, Howard. On the development of Oecanthus niveus and its parasite, Teleas. Mem. Bost. soc. nat. hist., iii, 225-281, pl. 18-25. Boston, 1884. 4°.

Ayres, H. B. Grasshopper damage in Minnesota. Ins. life, vi, 373. Washington, 1894. 8°.

Ball, Elmer Darwin. Notes on the orthopterous fauna of Iowa. Proc. Iowa acad. sc., iv, 234-241. Des Moines, 1897. 8°.

Berg, Carlos. Sinonimia y distribucion geográfica de la langosta peregrina, Acridium (Schistocerca) peregrinum (Oliv.) Stål. Anal. Soc. cient. arg., ix, 275-277. Buenos Aires, 1880. 8°. Same, in Segura, Inf. com. est. destr. lang., no. 43, 91-94. México, 1883. 8°.

— Entomologisches aus dem Indianergebiet der Pampa. Stett. ent. zeit., xlii, 36-72. Stettin, 1881. 16°.

Bessey, Carl Athearn, and Bessey, Edward Athearn. Further notes on thermometer crickets. Amer. nat., xxxii, 263-264, cut. Boston, 1898. 8°.

Bessey, Charles Edwin. A preliminary catalogue of the Orthoptera of Iowa. Bienn. rep. Iowa st. agric. coll., 1876-77, vii, 205-210. Des Moines, 1877. 8°.

Bessey, Edward Athearn. See Bessey, C. A. and Bessey, E. A. •

Bethune, Charles James Stewart. Annual address of the president of the Entomological society of Ontario, 1874. *Can. ent.*, vi, 181-186. London, 1874. 8°. *Same.* Ann. rep. ent. soc. Ont., 1874, 6-9. Toronto, 1875. 8°.

— Insects of the northern parts of British America, compiled from Kirby's *Fauna boreali-americana: Insecta. ii.—Orthoptera.* *Can. ent.*, vii, 129-131. London, 1875. 8°.

— Annual address of the president of the Entomological society of Ontario, 1875. *Can. ent.*, viii, 1-4. London, 1876. 8°. *Same.* Ann. rep. ent. soc. Ont., 1875, 5-7. Toronto, 1876. 8°.

— The western locusts. Ann. rep. ent. soc. Ont., 1875, 45-54, fig. Toronto, 1876. 8°.

— Insects of the northern parts of British America, compiled from Kirby's *Fauna boreali-americana: Insecta.* 156+14 pp. [London, 1884.] 8°.

Beutenmüller, William. Description of a new tree cricket. *Journ. N. Y. ent. soc.*, ii, 56. New York, 1894. 8°.

— Note on *Spharagemon saxatile* Morse. *Journ. N. Y. ent. soc.*, ii, 114. New York, 1894. 8°.

— Notes on some species of North American Orthoptera, with descriptions of new species. *Bull. Amer. mus. nat. hist.*, vi, 249-252. New York, 1894. 8°.

— Descriptive catalogue of the Orthoptera found within fifty miles of New York City. *Bull. Amer. mus. nat. hist.*, vi, 253-316, pl. 5-10. New York, 1894. 8°.

— Note on *Xiphidium nemorale* Scudder. *Journ. N. Y. ent. soc.*, ii, 192. New York, 1894. 8°.

Bilimek, Dominik. Faune der grotte Cacahuamilpa in Mexico. *Verh. zool.-bot. ges. Wien*, xvii, 901-908. Wien, 1867. 8°.

Billberg, Gustav Johann. *Enumeratio insectorum in museo Gust. Joh. Billberg.* 4+138 pp. Holmiae, 1820. 8°.

Biolley, Pablo. *Ortópteros recogidos en Costa Rica desde 1890 á 1900.* *Inf. mus. nac. Costa Rica*, 1899-1900, 41-58, pl. [San José], 1900. 4°.

Blanchard, Charles Emile. In Guérin-Ménéville, *Magazin de zoologie*, tome v. Paris, 1835. 8°.

— Monographie du genre *Phoraspis* de la famille de blattiens, précédée de quelques observations sur les blattes des anciens. *Ann. soc. ent. France*, vi, 271-298, pl. 10-11. Paris, 1837. 8°.

— Histoire naturelle des insectes orthoptères, neuroptères, hémiptères, hyménoptères, lépidoptères et diptères; avec une introduction par M. Brullé. 3 vols. Paris, 1840-41. 8°. (*Orthoptera*, iii, 1-44, pl. 1-11. 1840.)

Blatchley, Willis Stanley. Some Indiana Acrididae, [1]. *Can. ent.*, xxiii, 74-81, 98-100. London, 1891. 8°.

— Two new Orthoptera from Indiana. *Can. ent.*, xxiv, 26-27. London, 1892. 8°.

— Some Indiana Acrididae, II. Can. ent., xxiv, 28-34. London, 1892. 8°.

— The Gryllidae of Indiana. Proc. Ind. acad. nat. sc., 1891, 126-144. Terre Haute, 1892. 8°.

— Some new Locustidae from Indiana. Can. ent., xxv, 89-93. London, 1893. 8°.

— An unusual appearance of *Schistocerca americana*. Psyche, vi, 465-466. Cambridge, 1893. 4°.

— The Locustidae and Blattidae of Indiana. Proc. Ind. acad. sc., 1892, 92-165, 1-2. Terre Haute, [1894]. 8°. (The Locustidae of Indiana, pp. 92-153; The Blattidae of Indiana, pp. 153-165; Index, 1-2.)

— Some Indiana Acrididae, III. Can. ent., xxvi, 217-223, 241-245. London, 1894. 8°.

— Miscellaneous notes. Can. ent., xxviii, 265-266. London, 1896. 8°.

— Insects in general and the Orthoptera of Indiana in particular. 23 pp. Indianapolis, [1897]. 8°. (Extr., Trans. Ind. hort. soc., 1896.)

— Indiana caves and their fauna. Rep. st. geol. Ind., 1896, 121-212, pl. 4-13. Indianapolis, 1897. 8°.

— Some Indiana Acrididae, IV. Can. ent., xxx, 64-64. London, 1898. 8°.

— Two new Melanopli from Les Cheneaux islands, Michigan. Psyche, viii, 195-197. Cambridge, 1898. 4°.

— Gleanings from nature. 348 pp., 15 pl., 100 fig. Indianapolis, 1899. 16°.

— On the species of *Nemobius* known to occur in Indiana. Psyche, ix, 51-54. Cambridge, 1900. 4°.

Bolívar y Urrutia, Ignacio. Note sur les locustiens cavernicoles d'Europe. Ann. soc. ent. France, (5), x, 71-72. Paris, 1880. 8°.

— Notas entomológicas, pp. [1-18], 19-61, pl. 8-9. [Madrid], 1881. 8°. (Anal. soc. esp. hist. nat., x, 351-365, 463-507, pl. 8-9. Madrid, 1881. 8°.)

— Monografía de los pirgomorfinos. 154 pp., 4 pl. Madrid, 1884. 8°.

— Artrópodos del viaje al Pacífico verificado de 1862 á 1865 por una comision de naturalistas enviada por el gobierno español. Insectos neurópteros y ortópteros. 114 pp., 3 pl. Madrid, 1884. 4°.

— Essai sur les acridiens de la tribu des Tettigidae. 139 pp., 2 pl. Gand, 1887. 8°. (Ann. soc. ent. Belg., xxxi, 175-313, 2 pl. Bruxelles, 1887. 8°.)

— Enumération des orthoptères de l'île de Cuba. Mem. soc. zool. France, i, 116-164. Paris, 1888. 8°.

Bormans, Auguste de. Etude sur quelques forficulides exotiques du Musée royal d'histoire naturelle de Bruxelles. 8 pp., figs. Bruxelles, 1880. 8°. (Compt. rend. soc. ent. Belg., 1880, 68-74. Bruxelles, 1880. 8°.)

— Etude sur quelques dermaptères exotiques. Anal. soc. esp. hist. nat., ix, 505-515. Madrid, 1880. 8°.

— Etude sur quelques forficulaires nouveaux ou peu connus, précédée d'un tableau synoptique des genres de cette famille. 36 pp., 2 pl., 1 table. Bruxelles, 1883. 8°. (Ann. soc. ent. Belg., xxvii, 59-90, pl. 2-3. Bruxelles, 1883. 8°.)

— Dermaptera. Biol. centr.-amer., Orth., 1-12, pl. 1, 2 (figs. 1-20). London, 1893. 4°.

— Forficulidae. Schultze, Franz Eilhard, Das tierreich, xi, 1-15, 1-129, 133-142 pp. 46 figs. Berlin, 1900. 8°. (Edited and translated into German by Hermann August Krauss.)

— See also Dubrony, A. D.

Borre, Alfred Preudhomme de. Liste des mantides du Musée royal d'histoire naturelle de Belgique. 24 pp. Bruxelles, 1883. 8°. (Ann. soc. ent. Belg., xxvii, 60-81. Bruxelles, 1883. 8°.)

Bostwick, Arthur Elmore. Katydid orchestration. Science, n. s., ii, 606-607. New York, 1895. 8°. Signature of article incorrect.

Bowles, George James. In Canadian entomologist, xii. London, 1880. 8°.

— In Ann. rep. ent. soc. Ont., 1880. Toronto, 1881. 8°.

Brannius, Fredericus Wilhelmus. See Afzelius, A.

Broadhead, Garland Carr. The Rocky Mountain locust and the season of 1875. Trans. St. Louis acad. sc., iii, 345-349. St. Louis, 1876. 8°.

Brodie, William. A cannibal cricket. Can. ent., xxiii, 137-138. London, 1891. 8°.

Brongniart, Charles Jules Edme. Recherches pour servir à l'histoire des insectes fossiles des temps primaires, précédées d'une étude sur la nervation des ailes des insectes. 1 v. text, 493 pp.; 1 v. atlas, 44 pp., 37 pl. St. Etienne, 1893 [1894]. 4°.

Browne, Patrick. The civil and natural history of Jamaica, containing I, An accurate description of that island; its situation and soil; with a brief account of its former and present state, government, revenues, produce and trade. II, An history of the natural productions, including the various sorts of native fossils, perfect and imperfect vegetables; quadrupeds, birds, fishes, reptiles and insects; with their properties and uses in mechanics, diet and physic. Illustrated with forty-nine copperplates in which the most curious productions are represented of their natural sizes and delineated immediately from the objects by George Dionysius Ehret. There are now added complete Linnean indexes and a large and accurate map of the island. 2 t. p., 8+503+46 pp., map, 49 pl. London, 1789. fol.

Brullé, Auguste. See Audouin, J. V. and Brullé, A.; also Blanchard, C. E., Hist. nat., 1840.

Bruner, Lawrence. New species of Nebraska Acrididae. Can. ent., viii, 123-125. London, 1876. 8°.

— List of Acrididae found in Nebraska. Can. ent., ix, 144-145. London, 1877. 8°.

• — The Rocky Mountain Locust in Montana in 1880. Rep. U. S. ent. comm., iii, chap. ii (= pp. 8-20). Washington, 1883. 8°.

- The Rocky Mountain Locust in Wyoming, Montana, etc., in 1881. Rep. U. S. ent. commun., iii, chap. iii (=pp. 21-52). Washington, 1883. 8°.
- Notes on other locusts and on the western cricket. Rep. U. S. ent. commun., iii, chap. iv (=pp. 53-64). Washington, 1883. 8°.
- In Bull. ent. div. U. S. dep. agric., ii. Washington, 1883. 8°.
- Two new Myrmecophilæ from the United States. Can. ent., xvi, 41-43, figs. London, 1884. 8°.
- Observations on the Rocky Mountain locust during the summer of 1883. Bull. div. ent. U. S. dep. agric., iv, 51-62. Washington, 1884. 8°.
- First contribution to a knowledge of the Orthoptera of Kansas. Bull. Washb. coll., i, 125-139. Topeka, 1885. 8°.
- In Rep. U. S. ent., 1884. Washington, 1885. 8°.
- Contributions to the north trans-continental survey. — Orthoptera. Can. ent., xvii, 9-19. London, 1886. 8°.
- Report on the abundance of the Rocky Mountain locust in 1885. Rep. U. S. ent., 1885, 303-307. Washington, 1886. 8°.
- Second contribution to a knowledge of the Orthoptera of Kansas. Bull. Washb. coll., i, 193-200. Topeka, 1886. 8°.
- Report on locusts in Texas during the spring of 1886. Bull. div. ent. U. S. dep. agric., xiii, 9-19. Washington, 1887. 8°.
- Report on Nebraska insects. Bull. div. ent. U. S. dep. agric., xiii, 33-37. Washington, 1887. 8°.
- Report of the entomologist. Ann. rep. Nebr. bd. agric., 1888, 84-130. Lincoln, 1888. 8°.
- New North American Acrididae found north of the Mexican boundary. Proc. U. S. nat. mus., xii, 47-82. Washington, 1889 [1890]. 8°.
- Report on Nebraska insects. Bull. div. ent. U. S. dep. agric., xxii, 95-106. Washington, 1890. 8°.
- Report on a local outbreak of grasshoppers in Idaho. Ins. life, iii, 135-141. Washington, 1890. 8°.
- Insects injurious to young trees on tree claims. Bull. agric. exp. st. Nebr., iii, no. 14, 149 pp. Lincoln, 1890. 8°.
- Notes on beet insects. Ins. life, iii, 229-230. Washington, 1891. 8°.
- Ten new species of Orthoptera from Nebraska; notes on habits, wing variation, etc. Can. ent., xxiii, 36-40, 56-59, 70-73. London, 1891. 8°.
- Report on Nebraska insects. Bull. div. ent. U. S. dep. agric., xxiii, 9-18. Washington, 1891. 8°.
- Report of the entomologist. Ann. rep. st. bd. agric. Nebr., 1891, 240-309. Lincoln, 1891. 8°.
- On some destructive locusts of North America, together with notes on the occurrences in 1891. Can. ent., xxiii, 189-196. London, 1891. 8°.
- Destructive locusts of North America, together with notes of the occurrences in 1891. Ins. life, iv, 18-24. Washington, 1891. 8°. Same. Rep. ent. soc. Ont., xxii, 46-49. Toronto, 1891. 8°.

- Grasshopper notes from Idaho. *Ins. life*, iv, 146. Washington, 1891. 8°.
- *In Ins. life*, iv. Washington, 1891. 8°.
- Report on destructive locusts. *Bull. div. ent. U. S. dep. agric.*, xxvii, 9-33. Washington, 1892. 8°.
- A change in the name of a recently described species of *Orchelimum*. *Ent. news*, iii, 264-265. Philadelphia, 1892. 8°.
- The more destructive locusts of America north of Mexico. *Bull. div. ent. U. S. dep. agric.*, xxviii, 40 pp. Washington, 1893. 8°.
- Notes on the wing color of North American locusts belonging to the subfamily Oedipodinae and its seeming relation to climatic conditions. *Science*, xxi, 133. New York, 1896. 8°.
- Descriptions of new species of Orthoptera from the Death Valley expedition. *N. A. fauna*, vii, 266-268. Washington, 1893. 8°.
- A list of Nebraska Orthoptera. *Publ. Nebr. acad. sc.*, iii, 19-33. Lincoln, 1893. 8°.
- The insect enemies of small grains. *Rep. Nebr. st. bd. agric.*, 1893, 359-468, figs. 1-111. Lincoln, 1893. 8°.
- Locusts in Colorado—another case. *Ins. life*, vi, 33-34. Washington, 1893. 8°.
- Report upon insects injurious in Nebraska during the summer of 1892. *Bull. div. ent. U. S. dep. agric.*, xxx, 34-41. Washington, 1893. 8°.
- Report on injurious insects in Nebraska and adjoining districts. *Bull. div. ent. U. S. dep. agric.*, xxxiii, 9-21. Washington, 1894. 8°.
- A new species of *Pezotettix*. *Ins. life*, vii, 41-42. Washington, 1894. 8°.
- Insect enemies of the apple tree and its fruit. *Rep. Nebr. st. hort. soc.*, 1894, 153-224. Lincoln, 1894. 8°.
- Insect enemies of the grape-vine. *Nebr. st. hort. rep.*, 1895, 68-162, figs. 1-96. Lincoln, 1895. 8°.
- Directions for collecting, preparing and preserving specimens of Orthoptera for the cabinet. *Sp. bull. dep. ent. univ. Nebr.*, ii, 8 pp. Lincoln, 1895. 8°.
- Nicaraguan Orthoptera. *Bull. lab. nat. hist. univ. Iowa*, iii, pt. 3, 58-69, pl. 2, 3. Iowa City, 1895. 8°.
- Grasshopper report for 1895. *Bull. div. ent. U. S. dep. agric. (n. s.)*, vii, 31-35. Washington, 1897. 8°.
- Grasshopper report for 1896. *Bull. div. ent. U. S. dep. agric. (n. s.)*, vii, 36-39. Washington, 1897. 8°.
- The grasshoppers that occur in Nebraska. *Ann. rep. Nebr. bd. agric.*, 1896, 105-138, figs. 1-35. Lincoln, 1897. 8°.
- Insect enemies of the apple tree and its fruit. *Ann. rep. Nebr. st. hort. soc.*, 1899, 119-212, figs. 1-108. Lincoln, 1899. 8°.
- A new *Conocephalus*. *Ent. news*, x, 38-39. Philadelphia, 1899. 8°.

— *Report of the entomologist. A preliminary report on insect enemies of clover and alfalfa. Ann. rep. Nebr. st. bd. agric., 1899, 239-285, figs. 1-67. Lincoln, 1899. 8°.*

— Orthoptera, Acridiidae. ** Biol. centr. amer., Orth., ii, 1-2, [19-]. London, 1900. 4°.* (not yet completed.)

— *See also* Howard, L. O. *Scientific results, etc. 1889.**

— *See also* Riley, C. V. *Report on a small collection of insects, etc. 1893.*

Brunner von Wattenwyl, Carl. *Orthopterologische studien. Verh. zool.-bot. ges. Wien, xi, 221-310, pl. 8-15. Wien, 1861. 8°.*

— *Nouveau système des blattaires. 426 pp., 13 pl. Vienne, 1865. 8°.*

— *Monographie der phaneropteriden, 2+401 pp., 8 pl. Wien, 1878. 8°.*

— *Monographie der stenopelmnatiden und gryllacriden. 150 pp., 4 pl. Wien, 1888. 8°.* (*Verh. zool.-bot. ges. Wien, 1888, 247-304, pl. 5-8. Wien, 1888, 8°.*)

— *Additamenta zur Monographie der phaneropteriden. Verh. zool.-bot. ges. Wien, 1891, 1-196, pl. 1-2. Wien, 1891. 8°.*

— *Révision du système des orthoptères et description des espèces rapportées par M. Leonardo Fea de Birmanie. Ann. mus. civ. stor. nat. Genova, xxxiii (2a, xiii), 1-230, pl. 1-6. Genova, 1893. 8°.*

— *On the Orthoptera of the island of Grenada, West Indies. Proc. zool. soc. Lond., 1893, 599-611, pl. 52. London, 1893. 8°.*

— *Monographie der pseudophylliden. 4+282 pp., 10 pl. Wien, 1895. 8°. Atlas, 4°.*

— *Tomonotus theresiae, sp. n. Berl. ent. zeitschr., xl, 277. Berlin, 1895. 8°.*

— *See also* Therese, Prinzessin von Bayern.

Brunner von Wattenwyl, Carl, and Redtenbacher, Josef. ** On the Orthoptera of the island of St. Vincent, West Indies. Proc. zool. soc. Lond., 1892, 196-221, pl. 15-17. Lond., 1892. 8°.*

Burgess, Edward. [*Anisomorpha buprestoides*]. *Proc. Bost. soc. nat. hist., xii, 355-356. Boston, 1869. 8°.*

Burmeister, Hermann Carl Conrad. *Handbuch der entomologie. 5 vols. Berlin, 1832-1847. 8°.* (Orthoptera, *Dermatoptera*, ii, 459-756. 1838.)

— *Audinet-Serville, Histoire naturelle des orthoptères. Paris, 1839. 8°. verglichen mit H. Burmeister, Handbuch d. entomologie. Bd. ii, abth. ii, hälfte I (vulgo Orthoptera). Berlin, 1838. 8°. vom verfass. des letzteren. Germ., Zeitschr. ent., ii, 1-82. Leipzig, 1840. 8°.*

— *Cephalocoema und Phylloscyrtus, zwei merkwürdige orthopteren-gattungen der fauna argentina. Abhandl. naturf. ges. Halle, xv, 1-20, pl. 1. Halle, 1880. 4°.*

Burnham, Edward John. *Miscellaneous observations. Proc. Manch. inst. arts sc., i, 47-49. Manchester, 1900. 8°.*

Burr, Malcolm. Notes on the Forficularia. — I. Forficularia collected by Mr. W. F. H. Rosenberg in Ecuador. Ann. mag. nat. hist. (7), iv, 253-255. London, 1899. 8°.

— Essai sur les Eumastacides, tribu des Acridiodes. T. p., 94 pp., pl. 8-10. Madrid, 1899. 8°. (Anal. soc. esp. hist. nat., xxviii, 75-112, 253-304, 345-347, pl. 8-10. Madrid, 1899. 8°.)

— Notes on the Forficularia. — V. Descriptions of new species and a new genus. Ann. mag. nat. hist., (7), vi, 79-88, pl. 4. London, 1900. 8°.

— Forficules exotiques du musée royal d'histoire naturelle de Bruxelles. Ann. soc. ent. Belg., xlv, 47-54. Bruxelles, 1900. 8°.

Busck, August. Notes on a brief trip to Puerto Rico in January and February, 1899. Bull. div. ent. U. S. dep. agric., n. s., xxii, 88-93. Washington, 1900. 8°.

Carpenter, William Louis. Notes on the alpine insect fauna of the Rocky Mountains. Field for., i, 80-83. Washington, 1876. 8°.

— In Amer. ent., iii. New York, 1880. 8°.

Catesby, Mark. The natural history of Carolina, Florida and the Bahama islands, containing the figures of birds, beasts, fishes, serpents, insects and plants, etc. Together with observations on the air, soil and waters, with remarks upon agriculture, grain, pulse, root, etc. 2 vols. London, 1731-1743. fol. i, 12+100 pp., 100 pl. 1731. ii, 6+44+100+6 pp., map, 100 pl. 1743. 2d edition, London, 1754. i, 12+100+44+ (4) pp., map, 100 pl.; ii, 4+100+20+ (2) pp., 100+20 pl. See also Mortimer, C.

Caudell, Andrew Nelson. Papers from the Harriman Alaska expedition. xv. Entomological results (9): Orthoptera. Proc. Wash. acad. sc., ii, 511-512. Washington, 1900. 8°.

Caulfield, Frank Butler. Diapheromera femorata. Can. ent., v, 60. London, 1873. 8°.

— List of Orthoptera taken in the vicinity of Montreal, P. Q. Can. ent., xviii, 211-212. London, 1886. 8°.

— Canadian Orthoptera. 16 pp. [Montreal], 1887. 8°. (Can. rec. sc., ii, 378-383, 393-404. Montreal, 1887. 8°.)

— A sketch of Canadian Orthoptera. Rep. ent. soc. Ont., xviii, 59-72. Toronto, 1888. 8°.

Charlton, Thomas. In Ent. news, i. Philadelphia, 1890. 8°.

Charpentier, Toussaint de. Orthoptera descripta et depicta. [128 pp.], 60 pl. Lipsiae, 1841-1845. 4°.

— Bemerkungen zu A. A. H. Lichtensteins abhandlungen über die Mantis-arten in den Transactions of the Linnean [sic] society, vol. vi, Lond. 1802. Germ., Zeitschr. ent., v, 272-311. Leipzig, 1844. 8°.

Cockerell, Theodore Dru Alison. The western cricket in 1877. Ins. life, i, 57-58. Washington, 1888. 8°.

— Entomological work in Colorado. Ent., xxi, 298-305. London, 1888. 8°.

— On the variations of insects. Ent., xxii, 1-6, 26-29, 54-56, 98-100, 125-130, 147-149, 176-178, 198-202, 226-229, 243-245. London, 1889. 8°.

- **Appendix to the notes on insect fauna of high altitudes.** Can. ent., xxii, 76. London, 1890. 8°.
- **Notes on the entomology of Colorado, II.** Ent. news, iv, 42-45. Philadelphia, 1893. 8°.
- **Additional damage by walking sticks.** Ins. life, v, 268. Washington, 1893. 8°.
- **Additions to the fauna and flora of Jamaica.** Journ. inst. Jam., i, 256-262. Kingston, 1893. 8°.
- **Records of specimens from various localities.** Journ. inst. Jam., i, 309-311. Kingston, 1893. 8°.
- **The entomology of the mid-alpine zone of Custer Co., Colorado.** Trans. amer. ent. soc., xx, 305-370. Philadelphia, 1894. 8°.
- **Entomological observations in 1894.** Bull. agric. exp. st. N. Mex. coll. agric., xv, 47-82, pl. Las Cruces, 1895. 8°.
- **New species of insects taken on a trip from the Mesilla valley to the Sacramento Mts., New Mexico.** Journ. N. Y. ent. soc., iv, 201-206. New York, 1896. 8°.
- **Nemobius neomexicanus.** Ent. news, vii, 279. Philadelphia, 1896. 8°.
- **New North American insects.** Ann. mag. nat. hist., (7), ii, 321-331. London, 1898. 8°.
- **The development of Mantis.** Amer. nat., xxxii, 513-514. Boston, 1898. 8°.
- **Grasshoppers in New Mexico.** Ent. news, x, 43-44. Philadelphia, 1899. 8°.
- **Some insect pests of Salt River valley and the remedies for them.** Bull. 32 Ariz. agric. exp. st., 269-295. Tucson, 1899. 8°.
- **Note on some red and blue pigments.** Nature, lxii, 31. London, 1900. 8°.
- **Economic entomology in Arizona.** Science gossip, n. s., vi, 366-367. London, 1900. 8°.
- **The lower and middle Sonoran zone in Arizona and New Mexico.** Amer. nat., xxxiv, 285-293. Boston, 1900. 8°.
- **Observations on insects.** Bull. N. Mex. coll. agric., xxxv. 27 pp. 10 figs. Santa Fé, 1900. 8°.
- Comstock, Anna Botsford.** See Comstock, J. H. and Comstock, A. B.
- Comstock, John Henry.** Report of the entomologist of the United States department of agriculture for the year 1879. Pp. [1-4], 185-262, 1, pl. 1-6. Washington, 1880. 8°. (Extr. Ann. rep. U. S. dep. agric., 1879.)
- *The same* for the year 1880. Pp. 1-4, 235-373, 1-4, pl. 1-24. Washington, 1881. 8°. (Extr. Ann. rep. U. S. dep. agric., 1880.)
- **An introduction to entomology.** [Part i]. 4+234 pp. Ithaca, 1888. 8°.
- Comstock, John Henry, and Comstock, Anna Botsford.** A manual for the study of insects. 12+701 pp., 6 pl. Ithaca, 1895. 8°.

- * **Comstock, John Henry, and Slingerland, Mark Vernon.** Insects injurious to fruits. Bull. exp. st. Corn. univ. ent. div., xxiii, 103-126. Ithaca, 1890. 8°.
- Cook, Albert John.** Insects injurious to grasses and clovers. Beal's Grasses of N. A., i, 370-413. Lansing, 1887. 8°.
- *In* Ins. life, iv. Washington, 1891. 8°.
- *In* Rep. ent. soc. Ont., xxii. Toronto, 1891. 8°.
- Cope, Edward Drinker.** On the Wyandotte Cave and its fauna. Amer. nat., vi, 406-422. Salem, 1872. 8°.
- Cope, Edward Drinker, and Packard, Alpheus Spring.** The fauna of the Nickajack Cave. Amer. nat., xv, 877-882, pl. 7. Philadelphia, 1881. 8°.
- Coquillett, Daniel William.** Report on the locusts of the San Joaquin Valley, California. Rep. U. S. ent., 1885, 289-303. Washington, 1886. 8°.
- Notes on Acrididae in Los Angeles, Cal. Ins. life, i, 227-228. Washington, 1889. 8°.
- Report on the locust invasion of California in 1891. Bull. div. ent. U. S. dep. agric., xxvii, 34-57. Washington, 1892. 8°.
- The dipterous parasite of *Melanoplus devastator* in California. Ins. life, v, 22-24. Washington, 1892. 8°.
- *In* Ins. life, vii, 223-229. Washington, 1894. 8°.
- Coues, Elliott.** Katydid orchestration. Science (n. s.), ii, 666. New York, 1895. 8°.
- Cuvier, Georges.** See Guérin Méneville, F. E., Iconographie; Latreille, P. A.; and Westwood, J. O., Animal kingdom.
- Dalman, Johann Wilhelm.** Analecta entomologica. T. p., 8+104+(4) pp., 4 pl. Holmia, 1823. 4°.
- * **Davenport, Charles Benedict.** Variation and correlation in the tibial spines of *Melanoplus*. Proc. amer. ass. adv. sc., xlix, 225. Easton, 1900 [1901]. 8°.
- Davis, William Thompson.** Notes on the Locustidae. Rep. ent. soc. Ont., xviii, 43. Toronto, 1886. 8°.
- Notes on the Locustidae, with description of a new species. Can. ent., xix, 56-57. London, 1887. 8°.
- *In* Proc. nat. sc. assoc. Stat. Isl. for 1888, 1889, 1891. New Brighton, 1888, 1889, 1891. 8°.
- *In* Amer. nat., xxii, xxiii. Philadelphia, 1888, 1889. 8°.
- List of the Orthoptera found on Staten Island. Ent. amer., v, 78-81. Brooklyn, 1889. 8°.
- The song of *Thyreonotus*. Can. ent., xxv, 108-109. London, 1893. 8°.
- Insects at Watchogue and Beulah Land, Staten Island, N. Y. Journ. N. Y. ent. soc., iii, 140-143. New York, 1895. 8°.
- * — Notes on crickets and other Staten Island Orthoptera. Proc. nat. sc. assoc. Staten Isl., v, 96-97. New Brighton, 1896. 8°.

Dawson, George Mercer. Notes on the locust invasion of 1874 in Manitoba and the North-west territories. 16 pp. Montreal, 1876. 8°. (Can. nat. (n. s.), viii, 119-134. Montreal, 1876. 8°.)

— Notes on the appearance and migrations of the locust in Manitoba and the North-west territories, summer of 1875. 20 pp. Montreal, 1877. 8°. (Can. nat. (n. s.), viii, 207-226. Montreal, 1877. 8°.)

— Notes on the locust in the North West in 1876. 7 pp. Montreal, 1878. 8°. (Can. nat. (n. s.), viii, 411-417. Montreal, 1878. 8°.)

Dimmock, George. Fruiting of Akebia in Springfield. Springf. libr. bull., xx, 4-8. Springfield, 1900. 8°.

Dodge, Charles Richards. Notes of a cowcatcher ride through Nebraska. Can. ent., iv, 14-16. London, 1872. 8°.

— Entomological gleanings in southern Florida. Field for., i, 73-76. Washington, 1876. 8°.

— *Acridium americanum*. Field for., ii, 145, fig. Washington, 1877. 8°. [Signed C. R. D.]

— The "lubber" grasshopper. Field for., ii, 160-161. Washington, 1877. 8°.

— Insects in Colorado. Field for., ii, 205-206. Washington, 1877. 8°.

Dodge, George Marshall. Notes on *Caloptenus spretus*. Can. ent., vii, 133-135. London, 1875. 8°.

— New species of Acridini from Nebraska. Can. ent., viii, 9-12. London, 1876. 8°.

— Notes on the variation in color of *Oedipoda corallipes* and *Oedipoda cincta*. Can. ent., viii, 101-102. London, 1876. 8°.

— New species of Orthoptera. Can. ent., ix, 111-113. London, 1877. 8°.

— In Rep. U. S. ent. comm., ii. Washington, 1880. 8°.

Dohrn, Wolfgang Ludwig Heinrich. Die dermapteren von Mexico. Stett. ent. zeit., xxiii, 225-232, pl. 1. Stettin, 1862. 8°.

— Versuch einer monographie der dermapteren. Stett. ent. zeit., xxiv, 35-66, 309-322; xxv, 285-296, 417-429; xxvi, 68-99. Stettin, 1863-1865. 8°.

Dolbear, Amos Emerson. The cricket as a thermometer. Amer. nat., xxxi, 970-971. Philadelphia, 1897. 8°.

Donisthorpe, Horace St. John K. Myrmecophilous Orthoptera. Ent. rec., xii, 162-163. London, 1900. 8°.

Doran, Edwin Wortham. The mole cricket — *Gryllotalpa borealis*. Can. ent., xxiv, 147-148. London, 1892. 8°.

— The life history of the northern mole cricket — *Gryllotalpa borealis*. Can. ent., xxiv, 270-273. London, 1892. 8°.

Doubleday, Edward. Communications on the natural history of North America. Ent. mag., v, 21-34, 109-206, 269-300, 402-407, 409-417. London, 1837-1838. 8°.

Drury, Dru. Illustrations of natural history, wherein are exhibited upwards of two hundred and forty figures of exotic insects, according to their different genera; very few of which have hitherto been figured by any author, being engraved and coloured from nature, with the greatest accuracy, and under the author's own inspection; with a particular description of each insect. 3 vols. i, 28+130 pp., 50 pl.; ii, 7+92 pp., 50 pl.; iii, 26+76 pp., 50 pl. London, 1770-1782. 4°. See also Panzer, G. W. F.; and Westwood, J. O.

Dubrony, August Durieu [afterwards August de Bormans]. Etudes sur quelques forficulides exotiques. Anal. soc. esp. hist. nat., viii, 91-96. Madrid, 1879. 8°.

— See also Bormans, A. de.

Duncan, James. Introduction to entomology; comprehending a general view of the metamorphoses, internal structure, anatomy, physiology, and systematic arrangement of the various orders, and a tabular view of the whole class of insects. 331 pp., 38 pl. London, 1840. 8°. (Jardine's Naturalists' library, xxix.)

Edes, Robert Thaxter. Relation of the chirping of the tree cricket (*Oecanthus niveus*) to temperature. Amer. nat., xxxiii, 935-938. Boston, 1899. 8°.

Eigenmann, Carl H. A contribution to the fauna of the caves of Texas. Science, n. s., xii, 300-302. New York, 1900. 8°. Same. Proc. amer. ass. adv. sc., xlix, 228-230. Easton, 1900 [1901]. 8°.

Emmons, Ebenezer. Agriculture of New York; comprising an account of the classification, composition and distribution of the soils and rocks, and of the climate and agricultural productions of the state; together with descriptions of the more common and injurious species of insects. Vol. y. 2 t. p., 8+272 pp., 3+47 pl. Albany, 1854. 4°.

Fabricius, Johann Christian. Systema entomologiae, sistens insectorum classes, ordines, genera, species, adjectis synonymis, locis, descriptionibus, observationibus. 32+832 pp. Flensburgi et Lipsiae, 1775. 8°.

— Species insectorum exhibentes eorum differentias specificas, synonyma auctorum, loca natalia, metamorphosin adjectis observationibus, adumbrationibus. 2 vols. i, 8+552 pp.; ii, 2+494 pp. Hamburgi et Kilnii, 1781. 8°.

— Mantissa insectorum sistens eorum species nuper detectas adjectis characteribus genericis, differentiis specificis, emendationibus, observationibus. 2 vols. i, 20+348 pp.; ii, 2+382 pp. Hafniae, 1787. 8°.

— Entomologia systematica emendata et aucta, secundum classes, ordines, genera, species, adjectis synonymis, locis, observationibus, descriptionibus. 4 vols. in 7. Hafniae, 1792-1794. 8°. (Ulonata [Orthoptera], ii, 1-62. 1793).

— Epitome entomologiae Fabricianae sive Nomenclator entomologicus emendatus sistens Fabriciani systematis cum Linneano comparationem adjectis characteribus ordinum et generum, speciebus novis aliorum ento-

mologorum insectorum habitationibus nominibus germanorum francogalorum anglorum cum indicibus et bibliotheca fabriciana. 16+224 pp. Lipsiae, 1797. 8°. *The same*. Editio nova. 16+224. Lipsiae, 1810. 8°
 — Supplementum Entomologiae systematicae. (4)+572 pp. Hafniae 1798. 8°.

Fargeau, A. S. *In* Ferrussac, Bulletin des sciences naturelles et de géologie, xvii. Paris, 1829. 8°.

Felton, Samuel. An account of a singular species of wasp and locust. Phil. trans., liv, 53-57. London, 1764. 4°.

Fernald, Charles Henry. The Orthoptera of New England. 61 pp. Boston, 1888. 8°. (Ann. rep. Mass. agric. coll., xxv (pub. doc., 1888, no 31), 89-145. Boston, 1888. 8°.)

Fieber, Franz Xaver. Synopsis der europäischen orthopteren mit besonderer rücksicht auf die in Böhmen vorkommenden arten. T. p., 4+71 pp. Prag, 1854. 8°. (Lotos, iii, 90-104, 115-129, 138-154, 168-170, 184-188, 201-207, 232-238, 252-258. Prag, 1853. 8°.)

Fischer, Leopold Heinrich. Orthoptera europaea. 20+454 pp., 18 pl. Lipsiae, 1853. 4°.

Fischer von Waldheim, Gotthelf. Sur les spectres ou phasmes. Bull. soc. imp. nat. Mosc., x, no. 6, 3-18. Moscou, 1837. 8°.

— Locustarum quaedam genera aptera novo examini submissa. Bull. soc. imp. nat. Mosc., xii, 99-114, pl. 3. Moscou, 1839. 8°.

— Index orthopterorum societati traditorum. 17 pp., 1 pl. Moscou, 1846. 8°. (Bull. soc. imp. nat. Mosc., xix, 468-482, pl. 13. Moscou, 1846. 8°.)

Fitch, Asa. List of noxious insects. Amer. journ. agric. sc., vi, 145-152. New York, 1847. 8°.

— Third report on the noxious and other insects of the state of New York. Trans. N. Y. st. agric. soc., xvi, 321-507. Albany, 1856. 8°. (3-5 rep. ins. N. Y., 3-172. Albany, 1859. 8°.)

— Eighth report on the noxious and other insects of the state of New York. Trans. N. Y. agric. soc., xxii, 657-691. Albany, 1863. 8°. (6-9 rep. ins. N. Y., 175-209. Albany, 1865. 8°.)

Fletcher, James. Report of the entomologist [to the department of agriculture], 1885. 56 pp. Ottawa, 1885. 8°.

— Report of the entomologist and botanist. Rep. exp. farms Can., 1888, 47-77. Ottawa, 1889. 8°. *Same*, 1893, 39 pp., 1 pl. Ottawa, 1894. 8°. *Same*, 1894. Rep. exp. farms Can., 183-226. Ottawa, 1895. 8°. *Same*, 1895. Rep. exp. farms Can., 135-181. Ottawa, 1896. 8°. *Same*, 1896. Rep. exp. farms Can., 223-276. Ottawa, 1897. 8°. *Same*, 1898. Rep. exp. farms Can., 167-219. Ottawa, 1899. 8°.

— *In* Ann. rep. ent. soc. Ont., xix. Toronto, 1889. 8°.

— The northern mole cricket (*Gryllotalpa borealis*, Burm.). Can. ent. xxiv, 23-25. London, 1892. 8°. *Same*. Rep. ent. soc. Ont., xxii, 87-90. Toronto, 1892. 8°.

— Notes from Canada. Bull. div. ent. U. S. dep. agric., n. s., xxvi (Proc. ass. econ. ent., xii), 94-96. Washington, 1900. 8°.

Flint, Charles Louis. See Harris, T. W., Treat. ins. inj. veg., 1862.

Flor, Gustav. In von Sivers, Wilhelm, Ueber Madeira und die Antillen nach Mittelamerika. Leipzig, 1861. 8°.

Fogg, Susy Christina. Preliminary notes on the Orthoptera in the vicinity of Manchester. Proc. Manch. inst. arts sc., i, 39-46. Manchester, 1900. 8°.

Forbes, Stephen Alfred. Report of the state entomologist on the noxious and beneficial insects of the state of Illinois, xiii. 203+21 pp. Springfield, 1884. 8°. Same, xiv. 7+136 pp. Springfield, 1885. 8°.

Fyles, Thomas William. The croton bug in Quebec province. Rep. ent. soc. Ont., xv, 43-44. Toronto, 1885. 8°.

Garman, Harrison. On a singular gland possessed by the male Hadenocercus subterraneus. Psyche, vi, 105, fig. Cambridge, 1891. 4°.

— The Orthoptera of Kentucky. 10 pp. [Lexington, 1894.] 8°. (Ann. rep. Kent. agric. exp. st., vi, 23-30. Frankfort, 1894. 8°.)

Geer, Karel de. Mémoires pour servir à l'histoire des insectes. 7 vol. Stockholm, 1752-1778. 4°. (Orthoptera, iii, 399-554, pl. 21-25. 1773.) See also Goeze, J. A. E.; and Stål, C., Rec. Orth.

Germar, Ernst Friedrich. In Germar, Mag. ent., iii. Halle, 1818. 8°.

— In Burmeister, Handbuch der entomologie, ii. Berlin, 1838. 8°.

— In Germar, Zeitschr. ent., i. Leipzig, 1839. 8°.

Gerstaecker, Carl Edouard Adolph. Ueber die locustinen-gattung Gryllacris. Wiegman, Arch. naturg., xxvi, 245-278. Berlin, 1860. 8°.

— Sepastus und Phylloscyrtus, zwei käferähnliche grylloden-gattungen. Stett. ent. zeit., xxiv, 408-436. Stettin, 1863. 8°.

— In Peters, Wilhelm Karl Hartwig, und Carus, Julius Victor, Handbuch der zoologie. ii, Arthropoden, bearbeitet von A. Gerstaecker. (Orthoptera, 37-67.) Leipzig, 1863. 8°.

— Acridiodea nonnulla nova insigniora. Stett. ent. zeit., xxxiv, 185-197. Stettin, 1873. 8°.

Giglio-Tos, Ermanno. Ortotteri raccolti nel Darien dal Dr. E. Festa. iii, Acrididae-Gryllidae. Boll. mus. zool. univ. Tor., xii, no. 301, 1-10. Torino, 1897. 8°.

Girard, Charles. Appendix F. Zoology. Orthopterous insects. In Marcy, Randolph Barnes, assisted by McClellan, George Brinton, Exploration of the Red River of Louisiana in the year 1852, 257-261, pl. 15. Washington, 1853. 8°. (Executive [document] no. 54, 32d Congress, 2d session. Robert Armstrong, public printer, 1853.)

— Same. In Marcy, R. B., assisted by McClellan, G. B., Exploration of the Red River of Louisiana in the year 1852, 246-250, pl. 15. Washington, 1854. 8°. (Executive document, 33d Congress, 1st session, Senate. Beverly Tucker, Senate printer, 1854.)

Girard, Maurice. La domestication des blattes. T. p., 15 pp. Paris, 1877. 8°. (Bull. soc. acclim., (3), iv, 296-309. Paris, 1877. 8°.)

— **Les insectes ; traité élémentaire d'entomologie.** 3 vols. and atlas. Paris, 1873-1885. 8°. (Orthoptera, ii, 1-259, pl. 61-63. 1879.)

Glover, Townend. Report of the entomologist (and curator of the museum). Ann. rep. U. S. dep. agric., 1867, 58-76 (1868); 1870, 65-91 (1871); 1871, 69-88 (1872); 1872, 112-138 (1874); 1873, 152-169 (1874); 1874, 122-146 (1875). Washington, 1868-1875. 8°.

— **Illustrations of North American entomology (United States and Canada).** Orthoptera, 5+11 pp., 18 pl. Washington, 1872 [-1874]. 4°.

Gmelin, Johann Friedrich. Caroli a Linné Systema naturae per regna tria naturae secundum classes, ordines, genera, species cum characteribus, differentiis, synonymis, locis. Editio decima tertia, aucta, reformata. III tomi in 10 vol. Lipsiae, 1788-1793. 8°. (Orthoptera, i, pars iv, 2038-2088. 1788.)

— Caroli a Linné Systema naturae per regna tria naturae secundum classes, ordines, genera, species cum characteribus, differentiis, synonymis, locis. Editio decima tertia, aucta reformata. X tomi. Lugduni Batavorum, 1789-1796. 8°. (Orthoptera, iv, 2038-2088. 1789.)

Goding, Frederick Webster. A new orthopter from Tennessee. Ent. amer., vi, 13-14. Brooklyn, 1890. 8°.

Goeze, Johann August Ephraim. Entomologische beiträge zu des Ritter Linné zwölften ausgabe des natursystems. 3 vol. in 5. Leipzig, 1777-1781. 8°. (Orthoptera, ii, 1-116. 1778.)

— **Des Herrn Baron Karl de Geer Abhandlungen zur geschichte der Insecten aus dem französischen übersetzt und mit anmerkungen herausgegeben von J. A. E. Göze.** 7 vol. in 8. Nürnberg, 1778-1783. 4°. (Orthoptera, iii, 260-358, pl. 21-25. 1780.)

Gory, A. See Say, T., Oeuvres entomologiques.

Gossard, Harry Arthur. See Osborn, H., and Gossard, H. A

Gosse, Philip Henry. The Canadian naturalist ; a series of conversations on the natural history of Lower Canada. 12+372 pp. London, 1840. 12°.

— **Letters from Alabama (U. S.) chiefly relating to natural history.** 12+306 pp. London, 1859. 16°.

Gould, George Milbry. The Katydid's orchestra. Science (n. s.), ii, 380-381. New York, 1895. 8°.

Gray, George Robert. Synopsis of the species of insects belonging to the family of Phasimidae. 4+48 pp. London, 1835. 8°.

Griffini, Achille. Nuovi grillaceridi e stenopelmatici del museo zoologico di Torino. 4 pp., 3 figs. Torino, 1893. 8°. (Boll. mus. zool. univ. Torino, viii, no. 154, 1-4, figs. 1-3. Torino, 1893. 8°.)

— **Ortotteri raccolti nel Darien dal Dott. E. Festa.** Boll. mus. zool. univ. Torino, xi, no. 232, 1-32. Torino, 1896. 8°.

— **Tentamen catalogi Conocephalidum pone editionem monographiae Redtenbacheri (1891) usque ad finem anni 1897 descriptorum, vel in illa monographia deficientium, vel nova patria, novis synonymis, nova descrip-**

tionem auctorum. 14 pp. Narbonne, 1899. 8°. (Misc. ent., vii, 4-10, 33-37, 84-87. Narbonne, 1899. 8°.)

Griffith, H. G. Carnivorous habits of *Microcentrus retinervis*. Amer. nat., xvi, 408. Philadelphia, 1882. 8°.

Guérin-Ménéville, Félix Edouard. Iconographie du règne animal de G. Cuvier, ou Représentations d'après nature de l'une des espèces les plus remarquables et souvent non encore figurées de chaque genre d'animaux; pouvant servir d'atlas à tous les traités de zoologie. Insectes. 576 pp., 104 pl. Paris, 1829-1844. 8°.

— Animaux articulés à pieds articulés. In Sagra, Ramon de la, Histoire physique, politique et naturelle de l'île de Cuba. Paris, 1857. Text, 8°; planches, fol. (Orthoptera, 328-358, pl. 12.)

Guilding, Lansdowne. The natural history of *Phasma cornutum*, and the description of a new species of *Ascalaphus*. Trans. Linn. soc. Lond., xiv, 137-141, pl. 7. London, 1825. 4°.

Gundlach, Juan. Contribucion á la entomologia cubana. Tomo ii. Habana, 1886 [-1891]. 8°. (Parte cuarta, orthopteros, pp. 287-396, was issued in 1890 and 1891.)

Haan, Willem de. Bijdragen tot de kennis der Orthoptera; in Verhandelingen over de natuurlijke geschiedenis der nederlandsche overzeesche bezittingen door de leden der natuurkundige commissie in Indie en andere schrijvers. Uitgegeven door Koenraad Jacob Temminck. Leiden, 1839-1844. f°. (Orthoptera, 45-248, pl. 10-23. 1842.)

Hahn, Carl Wilhelm. Icones orthopterorum, 1 lief. T. p., 2 pp., 4 pl. Nürnberg, 1836. 4°.

Haldeman, Samuel Stehman. Remarks on the insects of Mexico. Amer. journ. sc. arts (2), v, 435. New Haven, 1848. 8°.

— History of *Phalangopsis*, a genus of Orthoptera, with three new species, two of which form a subgenus. Proc. Amer. ass. adv. sc., ii, 346. Boston, 1850. 8°.

— Appendix C. Insects; in Stansbury, Howard, Exploration and survey of the valley of the Great Salt Lake of Utah, including a reconnaissance of a new route through the Rocky Mountains. Printed by order of the senate of the United States. 366-379, pl. 9-10. Washington, 1852. 8°. (Another edition with same title and pagination "printed by order of the house of representatives of the United States." Washington, 1853. 8°.)

— Description of some new species of insects, with observations on described species. Proc. acad. nat. sc. Philad., vi, 361-365. Philadelphia, 1853. 8°.

Hall, William Bradbury. Insect injuries in Ohio in 1888. Ins. life, i, 319. Washington, 1889. 8°.

Hancock, Joseph Lane. Unusual flights of the grouse locust (*Tettigidea lateralis* Say) in north eastern Illinois. Amer. nat., xxviii, 483-487, pl. 13. Philadelphia, 1894. 8°.

— A new Tettix. Amer. nat., xxix, 761-762, fig. Philadelphia, 1895. 8°.

— On Illinois grouse locusts. *Trans. amer. ent. soc.*, xxiii, 235-244, pl. 6-9. Philadelphia, 1896. 8°.

— The food habits of the Tettigidae. *Ent. record*, x, 6-7. London, 1898. 8°.

— The species of the new genus *Neotettix*, with a key to the genera of North America Tettigidae. *Ent. news*, ix, 137-141, pl. 8. Philadelphia, 1898. 8°.

— In *Lugger*, Otto, The Orthoptera of Minnesota. St. Paul, 1898. 8°.

— A new species of *Nomotettix* from Kansas. *Ent. news*, x, 8. Philadelphia, 1899. 8°.

— Some Tettigian studies. *Ent. news*, x, 275-282. Philadelphia, 1899. 8°.

— Notes on species of the Tettigian group of Orthoptera. *Can. ent.*, xxxii, 25-27. London, 1900. 8°.

Hansen, Hans Jacob. En nordamerikansk vandregræshoppe. 32 pp. Kjøbenhavn, [n. d.] 12°. (Tidsskr. pop. fremst. naturw., [1886?])

Harrington, William Hague. In *Can. ent.*, xv. London, 1883. 8°.

Harris, Thaddeus William. A catalogue of the animals and plants in Massachusetts. viii. Insects; in *Hitchcock*, Edward, *Rep. geol. Mass.*, 560-595. Amherst, 1833. 8°.

— *Same*; in *Hitchcock*, E., *Rep. geol. Mass.*, 2 ed. 553-602. Amherst, 1835. 8°.

— *Same*; in *Hitchcock*, E., *Catalogues of the animals and plants of Massachusetts*, with a copious index, 33-82. Amherst, 1835. 8°.

— [Article] *Locust*. *Encycl. amer.*, viii, 40-43. Philadelphia, 1835. 8°. Other editions not examined.

— A report on the insects of Massachusetts injurious to vegetation, published agreeably to an order of the legislature, by the commissioners of the zoölogical survey of the state. 8+459 pp. Cambridge, 1841. 8°. (Another impression of the same, printed at the charge of the author, entitled: *A treatise on some of the insects of New England which are injurious to vegetation*. Cambridge, 1842. 8°.)

— A treatise on some of the insects of New England which are injurious to vegetation. [2 ed.] (Title on cover: *Report on insects injurious to vegetation*. Published by order of the legislature of Massachusetts.) 8+513 pp. Boston, 1852. 8°.

— A treatise on some of the insects injurious to vegetation. [3 ed.] (Edited by Charles Louis Flint.) 12+640 pp., 8 pl., 278 cuts. Boston, 1862. 8°.

— In *Scudder*, Samuel Hubbard, *Materials for a monograph of the N. A. Orthoptera*, 1862. 8°.

Hart, Charles Arthur. On the species of *Oecanthus* Serv. *Ent. news*, iii, 33-34, figs. 1-6. Philadelphia, 1892. 8°.

Harvey, Francis LeRoy, and Knight, Ora Willis. Insects collected at Jackman, Me. *Psyche*, viii, 77-79. Cambridge, 1897. 4°.

Heer, Oswald. Die Insektenfauna der tertiärgebilde von Oeningen und von Radoboj in Croatien. Zweiter theil: Heuschrecken, flürliegen, aderflügler, schmetterlinge und fliegen. 264+5 pp. 17 pl. Leipzig, 1849. 4°. (Neue denkschr. allg. schweiz. gesellsch. wissensch., xi. Zürich, 1850. 4°.)

Henshaw, Samuel. New England Orthoptera. Psyche, ix, 119. Cambridge, 1900. 4°.

Herbst, Johann Friedrich Wilhelm. Fortsetzung des verzeichnisses meiner insectensammlung. Zweyte classe. Fuessly, Arch. ins., 183-196, pl. 49-54. Zürich, 1786. 4°.

Herman, C. Otto. Die decticeiden der Brunner von Wattenwyl'schen sammlung; I. Genera. Verh. zool.-bot. gesellsch. Wien, xxiv, 193-210, pl. 3-6. Wien, 1874. 8°.

Holland, William Jacob. Alaska insects. Part 1. Ent. news, xi, 381-389. Philadelphia, 1900. 8°.

Howard, Leland Ossian. The excessive voracity of the female Mantis. Science, viii, 326. New York, 1886. 8°.

— Scientific results of explorations by the U. S. fish commission steamer Albatross. V. — Annotated catalogue of the insects collected in 1887-'88. Proc. U. S. nat. mus., xii, 185-216. Washington, 1889. 8°. (Orthoptera, 192-194, by Lawrence Bruner.)

— A commencement of a study of the parasites of cosmopolitan insects. Proc. ent. soc. Wash., i, 118-135. Washington, 1889. 8°.

— In Proc. ent. soc. Wash., i. Washington, 1890. 8°.

— Some of the bred parasitic Hymenoptera in the national collection. Ins. life, ii, 348-353; iii, 15-18, 57-61, 151-158, 460-464; iv, 122-126. Washington, 1890-1892. 8°.

— A genus of Mantis egg-parasites. Ins. life, iv, 242-245, figs. 28-31. Washington, 1892. 8°.

— In Ent. news, iii. Philadelphia, 1892. 8°.

— In Proc. ent. soc. Wash., ii. Washington, 1892. 8°.

— Damage by the American locust. Ins. life, vii, 220-229, figs. 19-22. Washington, 1895. 8°.

— Destructive grasshoppers in New York. Ins. life, vii, 274. Washington, 1895. 8°.

— A migration of cockroaches. Ins. life, vii, 349. Washington, 1895. 8°.

— The American locust in Illinois. Ins. life, vii, 429. Washington, 1895. 8°.

— Nocturnal flight of grasshoppers. Bull. div. ent. U. S. dep. agric., n. s., xxii, 106. Washington, 1900. 8°.

— The praying Mantis as an enemy to the apiary. Bull. div. ent. U. S. dep. agric., n. s., xxii, 108. Washington, 1900. 8°.

Hubbard, Henry Guernsey. In Amer. ent., iii. New York, 1880. 8°.

— Insects affecting the orange. 10+220 pp., 14 pl. Washington, 1885. 8°.

— Insect fauna of the giant cactus of Arizona; letters from the southwest. *Psyche*, viii, Suppl. i, 1-8. Cambridge, 1899. 4°.

Hunt, Thomas Forsyth. Partial economic bibliography of Indian corn insects. *Misc. ess. econ. ent.* Ill., 57-126. Springfield, 1886. 8°.

Hunter, Samuel John. Parasitic influences on *Melanoplus*. *Kans. univ. quart.*, vii, 205-210. Lawrence, 1898. 8°.

— On the occurrence of *Dissosteira longipennis* Thomas. *Psyche*, viii, 291-292. Cambridge, 1898. 4°.

— *Dissosteira* in Colorado. *Psyche*, viii, 299. Cambridge, 1898. 4°.

— In *Psyche*, viii. Cambridge, 1898. 4°.

— Alfalfa, grasshoppers, bees: their relationship. pp. 12+152, pl. 8+4. (*Contr. ent. lab. univ. Kans.*, 65.) Topeka, 1899. 8°.

Hunter, Samuel John, and Sutton, Walter Stanborough. The *Melanopli* of Kansas. *Psyche*, ix, 63-64, 76-78, 88-90. Cambridge, 1900. 4°.

Hunter, Walter David. Destructive locusts in 1897. *Bull. div. ent. U. S. dep. agric.*, n. s., x, 40-53. Washington, 1898. 8°.

— An investigation to determine whether *Melanoplus spretus* breeds permanently in the Turtle Mountains in North Dakota. *Bull. div. ent. U. S. dep. agric.*, n. s., xxii, 30-37. Washington, 1900. 8°.

Jacobs, Ella. *Tenodera sinensis*. *Ent. news*, ix, 170. Philadelphia, 1898. 8°.

Jaeger, Benedict. The life of North American insects; illustrated by numerous colored engravings and narratives. 4+204 pp., 6 pl., portr. Providence, 1854. 8°.

— The life of North American insects. Assisted by Henry Canfield Preston, M.D., with numerous illustrations from specimens in the cabinet of the author. 319 pp. New York, 1859. 12°.

Johnson, Lorenzo Nickerson. Color of katy-did. *Science*, xiii, 32. New York, 1889. 8°.

Johnstone, J. C. In *Trans. ent. soc. Lond.*, ii. London, 1837. 8°.

Jones, John Matthew. The naturalist in Bermuda. A sketch of the geology, zoology and botany of that remarkable group of islands. *Tab. cont.*, 12+200 pp., map. London, 1859. 8°.

— The visitor's guide to Bermuda, with a sketch of its natural history. 1-12, 10-156 pp. London, etc., 1876. 12°. (*Orthoptera*, p. 144, by Samuel Hubbard Scudder.)

Kalm, Pehr. Travels into North America, containing its natural history, and a circumstantial account of its plantations and agriculture in general, with the civil, ecclesiastical and commercial state of the country, the manner of its inhabitants, and several curious and important remarks on various subjects; translated into English by Johann Reinhold Forster, enriched with a map, several cuts for the illustration of natural history, and some additional

notes. Three vols. Warrington, 1770-1771. 8°. (Orthoptera, ii, passim, 1771.)

— *Same*; in Pinkerton, John, A general collection of the best and most interesting voyages and travels in all parts of the world, many of which are now first translated into English. Digested on a new plan. xiii, 374-700. London, 1812. 4°.

Kärsch, Ferdinand. Beiträge zu Ignacio Bolivar's Monografía de los pirgomorfinos. Ent. nachr., xiv, 328-335, 340-346, 355-361. Berlin, 1888. 8°.

— Orthopterologische mittheilungen. Ent. nachr., xv, 7-10, 24-36, 124-127; xvi, 57-62. Berlin, 1889-1890. 8°.

Kellogg, Vernon Lyman. Common injurious insects of Kansas. 8+126 pp. Lawrence, 1892. 8°.

— Kansas notes. Ins. life, v, 114-116. Washington, 1892. 8°.

Kirby, William. Fauna boreali-americana, or The zoology of the northern parts of British America, containing descriptions of the objects of natural history, collected by John Richardson on the late northern land expeditions under command of Captain Sir John Franklin. 4 vols. Part the fourth and last. The insects. 89+325 pp., 8 pl. London, 1837. 4°. See also Bethune, C. J. S., Insects Brit. Amer.

Kirby, William and Spence, William. An introduction to entomology or Elements of the natural history of insects. 4 vols. 3d edition. London, 1818-1826. 8°. i, 24+519 pp., 3 pl. 1818. ii, 4+530 pp., pl. 4-5. 1818. iii, 8+732 pp., pl. 6-20, portr. 1826. iv, 4+634 pp., pl. 21-30, portr. 1826.

— *Same.* 7th edition. 28+608 pp. London, 1856. 8°. (The references are confined to these two editions.)

Kirby, William Forsell. Descriptions of new species of Phasmidae from Dominica, Santa Lucia and Brazil. Ann. mag. nat. hist., (6), iii, 501-504. London, 1889. 8°.

— A revision of the Forficulidae, with descriptions of new species in the British Museum. Journ. Linn. soc. Lond., Zool., xxiii, 502-531, pl. 12. London, 1890. 8°.

— Descriptions of new species of Forficulidae in the collection of the British museum (nat. hist.) at S. Kensington. Journ. Linn. soc. Lond., Zool., xxv, 520-529, pl. 20. London, 1896. 8°.

Knab, Frederick. In Ent. news, viii. Philadelphia, 1897. 8°.

— In Ent. news, ix. Philadelphia, 1898. 8°.

Knight, Ora Willis. See Harvey, F. L., and Knight, O. W.

Koebele, Albert. Report on California insects. Bull. div. ent. U. S. dep. agric., xxii, 85-94. Washington, 1890. 8°.

Köppen, Friedrich Theodor. Die geographische verbreitung der wanderheuschrecke (*Pachytylus migratorius* L.). Peterm. geogr. mitth., 1871, 361-368, pl. 18. Gotha, 1871. 4°.

Krauss, Hermann August. See Bormans. A. de, Forficulidae, 1900.

Lamarck, Jean Baptiste Pierre Antoine de Monet de. Histoire naturelle des animaux sans vertèbres, présentant les caractères généraux et particuliers de ces animaux, leur distribution, leurs classes, leurs familles, leurs genres, et la citation des principales espèces qui s'y rapportent; précédée d'une introduction offrant la détermination des caractères essentiels de l'animal, sa distinction du végétal et des autres corps naturels; enfin l'exposition des principes fondamentaux de la zoologie. 7 vols. Paris, 1815-1822. 8°. (Orthoptera, iv, 229-266. 1817.)

— *Same.* 2 éd., revue et augmentée de notes présentant les faits nouveaux dont la science s'est enrichi jusqu'à ce jour, par MM. Gérard Paul Deshayes et Henri Milne-Edwards. 11 tom. Paris, 1835-1845. 8°. (Orthoptera, iv, 1835.)

— *Same.* 3 éd. 3 vols. Bruxelles, 1837-1839. 8°. (Orthoptera, ii, 149-160. 1839.)

La Munyon, I. W. New Orthoptera. Proc. Nebr. assoc. adv. sc., Mar. 8, 1877. 1 p. [No loc.], 1877. 8°. (Apparently the only issue of the association.)

Latreille, Pierre André. In Humboldt, Alexandre de, et Bonpland, Aimé, Recueil d'observations de zoologie et d'anatomie comparée, faites dans un voyage aux tropiques dans les années 1799-1800, 1801, 1802, 1803. 8+352 pp., 30 pl. Paris, xiii-1805. f°. .

— Histoire naturelle, générale et particulière des crustacés et des insectes. Ouvrage faisant suite aux œuvres de Leclerc de Buffon et partie du cours complet d'histoire naturelle, rédigé par Charles Sigisbert Sonnini de Manoncourt. 14 vols. 1802-1805. 8°. (Orthoptera, xii, 81-104, pl. 94-95, 1804.)

— Genera crustaceorum et insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata. 4 vols. Parisiis et Argentorati, 1806-1809. 8°. (Orthoptera, iii, 78-108, 1807.)

— In Cuvier, Georges, Le règne animal distribué d'après son organisation, pour servir de base à l'histoire naturelle des animaux et d'introduction à l'anatomie comparée. 4 vols. Paris, 1817. 8°. (Orthoptera, iii, 365-384.)

— *In the same*, 2 éd. 5 vols. Paris, 1829. 8°. (Orthoptères, v, 167-189.)

— *In the same*, American edition, translated from the French, with notes and additions by Henry M'Murtrie. 4 vols. New York, 1831. 8°. (Orthoptera, iv, 1-18.)

— *In the same*, Édition accompagnée de planches gravées, représentant les types de tous les genres, les caractères distinctifs des divers groupes et les modifications de structure sur lesquelles repose cette classification, par une réunion de disciples de Cuvier, MM. Andouin, Blanchard, Deshayes, Alcide D'Orbigny, Doyère, Dugès, Duvernoy, Laurillard, Milne-Edwards, Roulin et Valenciennes. Insectes. Tome iii (Orthoptères, 1-26, pl. 76-86). Paris, [1849]. roy. 8°.

Laurent, Philip. *In*, Entomological news, x. Philadelphia, 1899. 8°.

Laurent, Philip, and Saussure, Henri de. A species of Orthoptera. Ent. news, ix, 144-145, pl. 9. Philadelphia, 1898. 8°.

Leach, William Elford. Entomology. New Edinburgh encyclopaedia, American edition, viii, 646-758. Philadelphia, 1816. 4°.

— Entomology. New Edinburgh encyclopaedia, ix, 57-172. Edinburgh, 1830. 4°.

Le Baron, William. Second annual report on the noxious insects of the state of Illinois. Pp. 1-4, 97-167. Springfield, 1872. 8°. *App. to* Trans. Ill. st. hort. soc., 1871. Chicago, 1872. 8°. The pagination is in continuation of the first report.

Le Conte, John Lawrence. *See* Say, T. Complete writings.

Lefebvre, Alexandre. *In* Serville, Histoire naturelle des insectes orthoptères. Paris, 1839. 8°.

Leidy, Joseph. On the anatomy of *Spectrum femoratum* Say. Proc. acad. nat. sc. Philad., iii, 80-84, pl. Philadelphia, 1846. 8°.

— *In* Proc. acad. nat. sc. Philad., v. Philadelphia, 1851. 8°.

Lherminier, Félix Louis. Observations sur les habitudes des insectes de la Gaudeloupe. Ann. soc. ent. France, vi, 497-513. Paris, 1837. 8°.

Lichtenstein, Anton August Heinrich. A dissertation on two natural genera, hitherto confounded under the name of Mantis. Trans. Linn. soc. Lond., vi, 1-39, pl. 1-2. London, 1802. 4°. *See also* Charpentier, T. de, Bemerkungen. 1844.

Linné, Carl von. Museum Adolphi Frederici regis Suecorum etc. in quo animalia rariora imprimis et exotica: quadrupedia, aves, amphibia, pisces, insecta, vermes, describuntur et determinantur latine et suecice cum iconibus. 96 pp., 33 pl. Holmiae, 1754. f°.

— Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio decima reformata. 2 tom. Holmiae, 1758-1759. 8°. (Orthoptera, i, 423-433, 1758.)

— Centuria insectorum rariorum. 6+32 pp. Upsaliae, 1763. 4°. (Amoen. acad., vi, 384-415. Holmiae, 1763. 8°.)

— Muscum S. R. M. Ludovicae Ulricae reginae etc. in quo animalia rariora, exotica, imprimis insecta et conchyilia describuntur et determinantur, prodromi instar editum. 8+722 pp. Holmiae, 1764. 8°.

— Systema naturae. Editio duodecima reformata. 3 tom. Holmiae, 1766-1767. 8°. (Orthoptera, ii, 686-703. 1767.)

— *Same.* Editio decima tertia ad editionem duodecimam reformatam. Holmiensem. 3 tom. in 4 vols. Vindobonae, 1767-1770. 8°. (Orthoptera, i, 686-703. 1767.)

— *See also* Gmelin, J. F., Goeze, J. A. E., Müller, P. L. S., Stål, C., Rec. Orth., Turton, W., and Villers, C. de.

Lintner, Joseph Albert. The insects of the clover plant. 17 pp. Albany, 1881. 8°. (Ann. rep. N. Y. st. agric. soc., xl, 16-26. Albany, 1881. 8°. Trans. N. Y. st. agric. soc., xxxiii, 187-207. Albany, 1884. 8°.)

— [Annual] report on the injurious and other insects of the state of New York. i, 22+384 pp. Albany, 1882. 8°. iv, 240 pp. Albany, 1888. 8°. (Rep. N. Y. st. mus. nat. hist., xli, 123-358. Albany, 1888. 8°.) vi, pp. 97-203 + errata. Albany, 1890. 8°. (Rep. N. Y. st. mus. nat. hist., xliii, 99-205. Albany, 1890. 8°.) vii, pp. 197-404 + errata, 2 pl. Albany, 1891. 8°. (Rep. N. Y. st. mus. nat. hist., xliv, 197-405. Albany, 1891. 8°.) x, Rep. st. mus. N. Y., xlviii, 337-636, pl. 1-4. Albany, 1895. 8°. xi, pp. 85-325, pl. 1-16. Albany, 1896. 8°. (Rep. N. Y. st. mus. nat. hist., xlix, 85-325 pl. 1-16. Albany, 1896. 8°.)

Lochhead, William. A study of the Gryllidae (crickets). Ann. rep. ent. soc. Ont., xxviii, 39-44. Toronto, 1898. 8°.

Lord, John Keast. The naturalist in Vancouver Island and British Columbia. 2 vols. London, 1866. 8°. i, 16+358 pp., 7 pl. ii, 10+375 pp., 4 pl.

Lucas, Hippolyte. In Ann. soc. ent. France, (3) iv. Paris, 1856. 8°.

Lugger, Otto. Fungi which kill insects. Bull. exp. stat. Minn., iv, 26-41. St. Anthony Park, 1888. 8°.

— Notes on the Rocky Mountain locust in Ottertail county, Minnesota, in 1888. Rep. agric. exp. stat. Minn., 305-349. St. Paul, 1889. 8°.

— The Rocky Mountain locust in Otter Tail county, Minnesota, in 1889. Bull. agric. exp. stat. Minn., viii, 17-36. St. Anthony Park, 1889. 8°.

— Insects injurious to small fruit. 10 pp. [St. Paul?] 1891. 8°.

— The Orthoptera of Minnesota (Third annual report of the entomologist of the state experiment station of the University of Minnesota to the Governor for the year 1897.) 11+296 pp., 187 figs. St. Paul, 1898. 8°.

M'Clung, Clarence Irwin. The spermatocyte divisions of the Acrididae. Kans. univ. quart., ix, 73-100, pl. 15-17. Lawrence, 1900. 8°.

McNeill, Jerome. Dissosteira carolina. Can. ent., xix, 58-59. London, 1887. 8°.

— Notes upon Gryllus and Oecanthus. Ent. amer., v, 101-104. Brooklyn, 1889. 8°.

— A list of the Orthoptera of Illinois. Psyche, vi, 3-9, 21-27, 62-66, 73-78. Cambridge, 1891. 4°.

— Revision of the Truxalinae of North America. Proc. Dav. acad. nat. sc., vi, 179-274, pl. 1-6. Davenport, 1897. 8°.

— Some corrections in generic names in Orthoptera. Psyche, viii, 71. Cambridge, 1897. 4°.

— Notes on Arkansas Truxalinae. Can. ent., xxxi, 53-55. London, 1899. 8°.

— Arkansas Melanopli. Psyche, viii, 332-334, 343-346, 366-371. Cambridge, 1899. 4°.

— The Orthopteran genus Trimerotropis. Psyche, ix, 27-36. Cambridge, 1900. 4°. This is the prodromus of a fuller paper, published early in 1901, just too late to be included in the present work.

- *Orchelimum Sery.* Can. ent., xxxii, 77-83. London, 1900. 8°.
- Macquart, Pierre Justin Marie.** Catalogue du musée d'histoire naturelle de la ville de Lille. Animaux invertébrés. Lille, 1850. 8°.
- Mally, Charles W.** See Webster, F. M., and Mally, C. W.
- Mann, Benjamin Pickman.** In *Psyche*, iii. Cambridge, 1883. 4°.
- In *Proc. ent. soc. Wash.*, ii. Washington, 1891. 8°.
- Marlatt, Charles Lester.** A report on the lesser migratory locust. *Ins. life*, ii, 66-70. Washington, 1889. 8°.
- Marschall, August Friedrich von.** Decas orthopterorum novorum. *Ann. Wiener mus. nat.*, i, 207-218, pl. 18. Wien, 1836. 4°.
- Marten, John.** Report on the Rocky Mountain locust in 1880. *Rep. U. S. ent. comm.*, iii, App., 50-54. Washington, 1883. 8°.
- Maynard, Charles Johnson.** The defensive glands of a species of *Phasma*, *Anisomorpha buprestoides*, from Florida. *Mayn., Contr. sc.*, i, 31-35, pl. 3, fig. 4-11. Newtonville, 1889. 8°.
- Merrick, E. C.** Grasshoppers in the northwest. *Field for.*, ii, 64-65. Washington, 1876. 8°.
- Milliken, Robert.** Report on outbreaks of the western cricket and of certain locusts in Idaho. *Ins. life*, vi, 17-24. Washington, 1893. 8°.
- Minot, Charles Sedgwick.** Histology of the locust (*Caloptenus*) and the cricket (*Anabrus*). *Rep. U. S. ent. comm.*, ii, 183-222, pl. 2-8, fig. 6. Washington, 1881. 8°.
- Moffat, John Alston.** *Acridium americanum*. Can. ent., xxvii, 52. London, 1895. 8°.
- Morse, Albert Pitts.** A melanistic locust. *Psyche*, vi, 401-402. Cambridge, 1893. 4°.
- A new species of *Stenobothrus* from Connecticut, with remarks on other New England species. *Psyche*, vi, 477-479, figs. Cambridge, 1893. 4°.
- In *Psyche*, vi. Cambridge, 1893. 4°.
- Wing-length in some New England *Acrididae*. *Psyche*, vii, 13-14, 53-55. Cambridge, 1894. 4°.
- *Spharagemon*: a study of the New England species. *Proc. Bost. soc. nat. hist.*, xxvi, 220-240, figs. 1-9. Boston, 1894. 8°.
- A preliminary list of the *Acrididae* of New England. *Psyche*, vii, 102-108. Cambridge, 1894. 4°.
- In *Psyche*, vii. Cambridge, 1894. 4°.
- Notes on the *Acrididae* of New England. I. [*Tettiginae*]. *Psyche*, vii, 147-154, 163-167, pl. 6. Cambridge, 1894. 4°. II. *Tryxalinae*. *Ibid.*, vii, 323-327, 342-344, 382-384, 402-403, 407-411, 419-422, 443-445, pl. 7. Cambridge, 1896. 4°. III. *Oedipodinae*. *Ibid.*, viii, 6-8, 35-37, 50-51, 64-66, 80-82, 87-89, 111-114, pl. 2. Cambridge, 1897. 4°. IV. *Acridiinae*. *Ibid.*, viii, 247-248, 255-260, 269-273, 279-282, 292-293, pl. 7. Cambridge, 1898. 4°.
- Northern captures of *Panchlora viridis*. *Psyche*, vii, 215. Cambridge, 1895. 4°.

— **New North American Tettiginae.** I. Journ. N. Y. ent. soc., iii, 14-16. New York, 1895. 8°. II. Ibid., iii, 107-109. New York, 1895. 8°.

— **Some notes on locust stridulation.** Journ. N. Y. ent. soc., iv, 16-20, New York, 1896. 8°.

— **Orthoptera on the Pacific coast.** Psyche, viii, 180. Cambridge, 1898. 4°.

— **Conocephalus dissimilis in Massachusetts.** Psyche, viii, 227. Cambridge, 1898. 4°.

— **The distribution of the New England locusts.** Psyche, viii, 315-323, pl. 8. Cambridge, 1899. 4°.

— **New North American Tettiginae, III.** Journ. N. Y. ent. soc., vii, 198-201. New York, 1899. 8°.

— **Tettiginae.** Biol. centr. amer., Orth., ii, 3-19. London, 1900-1901. 4°. (The brief portion of this paper not published until 1901 has been included in the Index.)

Mortimer, Cromwell. A continuation of an account of an essay towards a natural history of Carolina and the Bahama Islands, by Mark Catesby, with some extracts out of the tenth set. Phil. trans. xlv, 599-608. London, 1748. 4°.

— A continuation of an account of an essay towards a natural history of Carolina and the Bahama Islands, by Mark Catesby, with some extracts out of the appendix. Phil. trans., xlv, 157-173. London, 1749. 4°.

Müller, Philip Ludwig Statius. Des Ritters Carl von Linné vollständiges natursystem nach der zwölften lateinischen ausgabe und nach anleitung des holländischen Houttuynischen werks mit einer ausführlichen erklärungs. 6 theilen in 9 vols. Nürnberg, 1773-1776. 8°. (Orthoptera, v theil, 396-446. 1774.)

Murtfeldt, Mary Esther. The carnivorous habits of tree crickets. Ins. life, ii, 130-132. Washington, 1889. 8°.

— In Ins. life, v. Washington, 1893. 8°.

Niéto, José Apolinario. Note sur une nouvelle espèce d'orthoptère du Mexique. 4 pp., 1 pl. Paris, 1857. 8°. (Rev. mag. zool., (2) ix, 359-362, pl. 12. Paris, 1857. 8°.)

Nutting, Charles Cleveland. Report on zoological explorations on the lower Saskatchewan River. Bull. lab. nat. hist. univ. Iowa, ii, 225-293. Iowa City, 1893. 8°.

Oken [Ockenfuss], Lorenz. Lehrbuch der naturgeschichte. 3 vols. in 6. Leipzig, 1813-1826. 8°. (Orthoptera, iii, pt. 1, 444-453. 1815.)

— In Isis. Leipzig, 1835. 4°.

— **Allgemeine naturgeschichte für alle stände.** 7 vols. in 14. Stuttgart, 1833-1843. 8°. (Orthoptera, v, pt. 3, 1499-1532. 1836.)

Olivier, Antoine Guillaume. In the Encyclopédie méthodique, dictionnaire des insectes. 10 vols. Paris, 1789-1825. 4°. (Orthoptera, passim, iv, 1789; vi, 1791; vii, 1792.)

Orton, Edward. The tree cricket again (*Oecanthus niveus*). Pract. ent., ii, 94. Philadelphia, 1867. 4°.

Osborn, Herbert. *In Amer. nat.*, xvii. Philadelphia, 1888. 8°.

— Notes on locust parasites. *Bull. Iowa agric. coll. dep. ent.*, ii, 83-86. Cedar Rapids, 1884. 8°.

— Report on work of the season. *Bull. div. ent. U. S. dep. agric.*, xxiii, 57-62. Washington, 1891. 8°.

— Report of a trip to Kansas to investigate reported damages from grasshoppers. *Ins. life*, iv, 49-50. Washington, 1891. 8°. *Same.* Report ent. soc. Ont., xxii, 69-74. Toronto, 1891. 8°. *Same.* *Bull. div. ent. U. S. dep. agric.*, xxvii, 58-64. Washington, 1892. 8°.

— On the orthopterous fauna of Iowa. *Proc. Iowa acad. sc.*, i, pt. 2, 116-120. Des Moines, 1892. 8°.

— Papers on Iowa insects, consisting of Fruit and forest tree insects and Some Iowa farm insects. 67 pp., 42 figs. Des Moines, 1893. 8°.

— Report on insects of the season in Iowa. *Bull. div. ent. U. S. dep. agric.*, xxx, 42-48. Washington, 1893. 8°.

— Report on a trip to northwest Missouri to investigate grasshopper injuries. *Ins. life*, v, 323-325. Washington, 1893. 8°.

— Methods of treating insects affecting grasses and forage plants. *Ins. life*, vi, 71-81. Washington, 1893. 8°.

Osborn, Herbert, and Gossard, Harry Arthur. Report on entomological work. *Bull. Iowa exp. stat.*, xiv, 166-180. Des Moines, 1891. 8°.

— Reports on injurious insects. *Bull. Iowa exp. stat.*, xv, 255-273. Des Moines, 1891. 8°.

Packard, Alpheus Spring. Report on the insects collected on the Penobscot and Alleaguash Rivers during August and September, 1861. *Ann. rep. st. bd. agric.*, vi, 373-376. Augusta, 1861. 8°.

— How to collect and observe insects. From the Report of the Maine scientific survey for 1862. 79 pp. Augusta, 1863. 8°. (*Ann. rep. nat. hist. Me.*, ii, 143-219. Augusta, 1862. 8°.)

— The insects of August. *Amer. nat.*, i, 327-330. Salem, 1867. 8°.

— Guide to the study of insects and a treatise on those injurious and beneficial to crops; for the use of colleges, farm-schools, and agriculturists. 8+702 pp. Salem, 1869. 8°. (*Orthoptera*, 556-577.) The later editions, practically the same for the *Orthoptera*, are not here recorded.

— The Mammoth cave and its inhabitants: on the crustaceans and insects. *Amer. nat.*, v, 744-761. Salem, 1871. 8°.

— On the cave fauna of Indiana. *Ann. rep. Peab. acad. sc.*, v, 93-97. Salem, 1873. 8°.

— The "hateful" grasshopper in New England. *Amer. nat.*, viii, 502. Salem, 1874. 8°.

— *Caloptenus spretus* in Massachusetts. *Amer. nat.*, ix, 573. Salem, 1875. 8°.

— Experiments on the sense organs of insects. *Amer. nat.*, xi, 418-423. Boston, 1877. 8°.

— Some characteristics of the central zoo-geographical province of the United States. *Amer. nat.*, xii, 512–517. Philadelphia, 1878. 8°.

— The Rocky Mountain locust in New Mexico. *Amer. nat.*, xiii, 586. Philadelphia, 1879. 8°.

— Rocky Mountain locust. *Nat. leis. hour*, v, no. 4, 4–10. Philadelphia, 1881. 8°.

— Insects injurious to forest and shade trees. *Bull. U. S. ent. comm.*, vii, 275 pp. Washington, 1881. 8°.

— *In Amer. nat.*, xix. Philadelphia, 1885. 8°.

— The cave fauna of North America, with remarks on the anatomy of the brain and origin of the blind species. *Mem. nat. acad. sc.*, iv, 3–156, pl. 1–26. Washington, 1888. 4°.

— Notes on the epipharynx and the epipharyngeal organs of taste in mandibulate insects. *Psyche*, v, 193–199, 222–228. Cambridge, 1889. 4°.

— On insects injurious to forest and shade trees. *Rep. U. S. ent. comm.*, v, 8+958 pp., 40 pl. Washington, 1890. 8°.

— *See also* Cope, E. D., and Packard, A. S.; and United States entomological commission.

Palisot de Beauvois, Ambroise Marie François Joseph. *Insectes recueillis en Afrique et en Amérique dans les royaumes d'Oware à Saint-Domingue et dans les États-unis pendant les années 1786–1797.* 2 t. p., 16+276 pp., 90 pl. Paris, 1805–1821. f°. A collation of the two imperfect copies seen by me give 88 plates, of which 11 contain the Orthoptera and are numbered 1, 1b, 2, 2c, 3, 4, 5, 7, 12, 13, 14. Pl. 2 is referred to in the text as (a second) pl. 1; and pl. 7 as pl. 8. Pp. 1–204 appeared in 12 livr. between 1805 and 1818.

Pallas, Peter Simon. *Spicelegia zoologica quibus novae imprimis et obscurae animalium species iconibus, descriptionibus atque commentariis illustrantur.* Tom. i, fasc. i–x. Berolini, 1767–1774. 4°. Tom. ii, fasc. xi–xiii. Berolini, 1776–1779. 4°. Tom. i is also entitled: *Spicelegia zoologica, Tomus 1. Continens quadrupedium, avium, amphibiorum, piscium, insectorum, molluscorum aliorumque marinorum fasciculos decem.* (Orthoptera, fasc. ix. 87 pp., 5 pl. 1772.)

Pantel, José. *Notes orthoptérologiques*, iv. Sur quelques particularités de l'armure des pattes et sur l'avortement des ailes dans le genre *Nemobius*. *Anal. soc. esp. hist. nat.*, xxv, 89–100. Madrid, 1891. 8°.

Panzer, Georg Wolfgang Franz. *Rob. Drury's abbildungen und beschreibungen exotischen insecten mit fein illuminirten kupfertafeln. Aus dem englisch übersetzt mit vollständiger synonymie und erläuternden bemerkungen versehen.* Nürnberg, 1785–1788. 4°.

Parsons, F. W. Another note on the retarded development of *Caloptenus spretus* at Manhattan, Kans. *Ins. life*, i, 380. Washington, 1880. 8°.

Peirce, Joseph Dexter. Rocky Mountain locust in North Dakota. *Ins. life*, iv, 79–80. Washington, 1891. 8°.

Percheron, Achille Remy. *In Guérin-Ménéville, Félix Edouard, et Percheron, Achille Remy, Genera des insectes.* Paris, 1835–1838. 8°.

Perty, Joseph Anton Maximilian. De insectorum in America meridionali habitantium vitæ genere, moribus ac distributione geographica observationes nonnullae. 44 pp. Appended to *Delectus animalium articulorum quæ in itinere per Brasiliam annis 1817-1820 jussu et auspiciis Maximiliani Joseph I. Bavariæ regis augustissime peracto collegerunt Dr. Jean Baptiste de Spix et Dr. Charles Frédéric Philippe de Martius*. Degessit, descripsit, pingenda curavit Dr. Maximilianus Perty, præfatus est et edidit C. F. Ph. de Martius. Monachii, 1830-1834. 1^o.

Phillips, J. B. The Rocky Mountain locust, *Caloptenus spretus*. Stat. Minn., 1876. Ann. rep. comm. stat., viii, 88-112. St. Paul, 1877. 8^o.

Pictet, Alphonse. Locustides nouveaux ou peu connus du musée de Genève. Mém. soc. phys. hist. nat. Genève, xxx, no. 6, 1-80, pl. 1-3. Genève, 1888. 4^o.

Pictet, Alphonse, and Saussure, Henri de. Catalogue d'acridiens, I. 46 pp. Schaffouse, 1887. 8^o. (Bull. soc. ent. suisse, vii, 331-376. Schaffhausen, 1887. 8^o.)

— De quelques orthoptères nouveaux. Bull. soc. ent. suisse, viii, 293-318, pl. 1-2. Schaffhausen, 1891. 8^o.

— Iconographie de quelques sauterelles vertes. 28 pp., 3 pl. Genève, 1892. 4^o.

— See also Saussure, H. de, and Pictet, A.

Piers, Harry. Notes on Nova Scotian zoology, no. 3. Proc. trans. Nova Scot. inst. sc., viii, 395-410. Halifax, 1895. 8^o.

— Preliminary notes on the Orthoptera of Nova Scotia. Trans. Nova Scot. inst. sc., ix, 208-218. Halifax, 1896. 8^o.

Pillsbury, John S. et al. The Rocky Mountain locust or grasshopper, being the report of proceedings of a conference of the governors of several western states and territories, together with several other gentlemen, held at Omaha, Nebraska, on the 25th and 26th days of October, 1876, to consider the locust problem; also a summary of the best means now known for counteracting the evil. (4)+58+(4) pp. St. Louis, 1876. 8^o.

Planchon, Jules Emile. In Amer. nat., xvii. Philadelphia, 1883. 8^o.

Popenoe, Edwin Alonzo. Notes on the recent outbreak of *Dissosteira longipennis*. Ins. life, iv, 41. Washington, 1891. 8^o. Same. Rep. ent. soc. Ont., xxii, 63. Toronto, 1891. 8^o.

Preston, Henry Canfield. See Jaeger, B., Life, etc. 1859.

Provancher, Léon. Petite faune entomologique du Canada. Les orthoptères. Nat. can., viii, 13-26, 52-62, 72-81, 106-116, 131-143. Cap Rouge, 1876. 8^o.

— Faune entomologique du Canada et particulièrement de la province de Québec. ii, fasc. 1, Les orthoptères et les névroptères. 6+157 pp. Québec, 1877. 8^o.

Putnam, Joseph Duncan. Report on the insects collected by Captain Jones' expedition to northwestern Wyoming in 1873. Proc. Dav. acad. nat. sc., i, 187-192. Davenport, 1876. 8^o.

— Notes [to List of Orthoptera collected by J. D. Putnam. By C. Thomas]. Proc. Dav. acad. nat. sc., i, 265-267. Davenport, 1876. 8°.

Rathvon, Simon Snyder. Entomology and its relations to the vegetable productions of the soil, with reference to both the destructive and beneficial insects. Rep. U. S. dep. agric., 1862, 372-390, 4 pl. (unnumbered). Washington, 1862. 8°.

— Rocky Mountain grasshopper cannot live in Pennsylvania. Amer. ent., ii, 88. St. Louis, 1869-70. 8°. [Signed S. S. R.]

Redtenbacher, Josef. Monographie der conocephaliden. Verh. zool.-bot. ges. Wien, 1891, 315-562, pl. 3-4. Wien, 1891. 8°.

— Ueber wanderheuschrecke. 42 pp. Budweis, 1893. 8°. (Abdr. Jahresb. deutsch. k. k. staats-realsch. Budweis.)

— See also Brunner von Wattenwyl, C., und Redtenbacher, J.

Rehn, James Abram Garfield. *Melanoplus differentialis* in New Jersey and Pennsylvania. Can. ent., xxxii, 28. London, 1900. 8°.

— February Orthoptera. Ent. stud., i, 10. Philadelphia, 1900. 8°.

— A late capture. Ent. stud., i, 12. Philadelphia, 1900. 8°.

— In Ent. stud., i. Philadelphia, 1900. 8°.

— Notes on Mexican Orthoptera with descriptions of new species. Trans. amer. ent. soc., xxvii, 85-99. Philadelphia, 1900. 8°.

— Notes on the distribution of *Podisma variegata*. Ent. news, xi, 630-631. Philadelphia, 1900. 8°.

Riley, Charles Valentine. Annual report of the noxious, beneficial and other insects of the state of Missouri. i, 182+7 pp., 2 pl. Jefferson City, 1869. 8°. ii, 136+6 pp. Jefferson City, 1870. 8°. v, 160+8 pp. Jefferson City, 1873. 8°. vi, 169+12 pp. Jefferson City, 1874. 8°. vii, 8+196+4 pp., map. Jefferson City, 1875. 8°. viii, 7+185+5 pp. Jefferson City, 1876. 8°. ix, 7+129+5 pp. Jefferson City, 1877. 8°. (See also General index, infra. 1881.)

— Information wanted. Amer. ent., ii, 96. St. Louis, 1869-1870. 8°.

— Imported insects and native American insects. Amer. ent., ii, 110-112. St. Louis, 1870. 8°.

— Eggs of snowy tree cricket on raspberry canes. Amer. ent., ii, 128. St. Louis, 1870. 8°.

— The plum curculio, *Conotrachelus nanniphar* Herbst. Amer. ent., ii, 130-137. St. Louis, 1870. 8°.

— Eggs of oblong-winged katydid. Amer. ent., ii, 182. St. Louis, 1870. 8°.

— Insects named. Amer. ent., ii, 245, 373. St. Louis, 1870. 8°.

— Insects injurious to the grape-vine, no. 10. Amer. ent., ii, 272-273. St. Louis, 1870. 8°.

— Appendix to joint-worm article published in vol. i, no. 8. Amer. ent., ii, 296-297. St. Louis, 1870. 8°.

— Mole cricket. Amer. ent., ii, 340. St. Louis, 1870. 8°.

— Two-striped walking-stick. *Amer. ent.*, ii, 314. St. Louis, 1870. 8°.

— *In Can. ent.*, vii. London, 1875. 8°.

— The Rocky Mountain locust. *Amer. nat.*, xi, 663-673. Boston, 1877. 8°.

— The locust plague in the United States; being more particularly a treatise on the Rocky Mountain locust or so-called grasshopper, as it occurs east of the Rocky Mountains, with practical recommendations for its destruction. 236 pp., 3 pl. Chicago, 1877. 16°.

— On the transformations and habits of the blister-beetles. *Amer. nat.*, xii, 213-219, 282-290, pl. 1. Philadelphia, 1878. 8°.

— Report of the entomologist, 1878. 53 pp., 7 pl. Washington, 1879. 8°. (*Ann. rep. U. S. dep. agric.*, 1878, 207-257, pl. 1-7. Washington, 1879. 8°.) 1883, 5+99-180+7 pp., pl. 1-13. Washington, 1883. 8°. (*Ann. rep. U. S. dep. agric.*, 1883, 99-180, pl. 1-13. Washington, 1883. 8°.) 1884, 9+285-418+9 pp., pl. 1-10. Washington, 1885. 8°. (*Ann. rep. U. S. dep. agric.*, 1884, 285-418, pl. 1-10. Washington, 1885. 8°.) 1885, 10+137+10 pp., 9 pl., map. Washington, 1886. 8°. (*Ann. rep. U. S. dep. agric.*, 1885, 207-343, pl. 1-10. Washington, 1886. 8°.) 1890, (2)+237-264+(6) pp., pl. 2-7. Washington, 1891. 8°. (*Ann. rep. U. S. dep. agric.*, 1890, 237-264, pl. 2-7. Washington, 1891. 8°.)

— Dimorphism in locusts (*Acrididae*). *Amer. ent.*, iii, 219-220. New York, 1880. 8°.

— *In Amer. ent.*, iii. New York, 1880. 8°.

— General index and supplement to the nine reports on the insects of Missouri. *Bull. U. S. ent. comm.*, vi. 178 pp. Washington, 1881. 8°.

— *In Amer. nat.*, xvii, xx. Philadelphia, 1883, 1886. 8°.

— The standard natural history, ed. by John Stirling Kingsley. ii, Crustacea and insects. Orthoptera, 167-203, 1 pl. Boston, 1884. imp. 8°.

— Notes on the principal injurious insects of the year. *Ent. amer.*, i, 176-177. Brooklyn, 1885. 8°.

— Pleuro-pneumonia. *Science*, viii, 631. New York, 1886. 8°.

— Our shade trees and their insect defoliators. *Bull. div. ent. U. S. dep. agric.*, x. 69 pp. Washington, 1887. 8°.

— Injury by the Rocky Mountain locust. *Ins. life*, i, 30-31. Washington, 1888. 8°.

— Injury done by roaches to the files in the treasury in Washington. *Ins. life*, i, 67-70. Washington, 1888. 8°.

— Injury from non-migratory locusts in Michigan. *Ins. life*, i, 86-87. Washington, 1888. 8°.

— The rear horse domesticated. *Ins. life*, i, 156. Washington, 1888. 8°.

— Further injury in the treasury by roaches. *Ins. life*, i, 190-191. Washington, 1888. 8°.

— Miscellaneous insects. *Proc. ent. soc. Wash.*, i, 86. Washington, 1888. 8°.

- Two local outbursts of locusts. *Ins. life*, ii, 27. Washington, 1889. 8°.
- Food habits of snowy tree crickets. *Ins. life*, ii, 125. Washington, 1889. 8°.
- Some insect pests of the household. iv. Cockroaches. *Ins. life*, ii, 206-209. Washington, 1890. 8°.
- The outlook for applied entomology. *Ins. life*, iii, 191-210. Washington, 1891. 8°.
- Abnormal oviposition of the angular-winged katydid. *Ins. life*, iii, 206. Washington, 1891. 8°.
- A viviparous cockroach. *Proc. ent. soc. Wash.*, ii, 129-130. Washington, 1891. 8°.
- The banded sand cricket. *Ins. life*, iii, 336. Washington, 1891. 8°.
- Destructive locusts. A popular consideration of a few of the more injurious locusts (or "grasshoppers") of the United States, together with the best means of destroying them. *Bull. div. ent. U. S. dep. agric.*, xxv. 62 pp., 12 pl., map. Washington, 1891. 8°.
- A southern roach in a northern greenhouse. *Ins. life*, iii, 406-407. Washington, 1891. 8°.
- Locust ravages of the present year. *Ins. life*, iii, 438. Washington, 1891. 8°.
- A viviparous cockroach. *Ins. life*, iii, 443-444, figs. 32-33. Washington, 1891. 8°.
- *In Ent. news*, ii. Philadelphia, 1891. 8°.
- *In Ins. life*, iii, v. Washington, 1891, 1892-1893. 8°.
- Further notes on *Panchlora*. *Ins. life*, iv, 119-120, fig. 12. Washington, 1891. 8°.
- Non-migratory locust devastations in Nevada. *Ins. life*, iv, 144-145. Washington, 1891. 8°.
- The locust or grasshopper outlook. *Ins. life*, iv, 321-323. Washington, 1892. 8°.
- On some of the insects described by Walsh. *Ins. life*, iv, 393. Washington, 1892. 8°.
- Hibernation of *Conocephalus*. *Ins. life*, iv, 400. Washington, 1892. 8°.
- Destructive locusts reported. *Ins. life*, iv, 401. Washington, 1892. 8°.
- The female rear-horse versus the male. *Ins. life*, v, 145. Washington, 1892. 8°.
- A tropical cockroach in a New Orleans greenhouse. *Ins. life*, v, 201. Washington, 1893. 8°.
- The genus *Dendrotettix*. *Ins. life*, v, 254-256. Washington, 1893. 8°.
- A naturalized *Panchlora*. *Ins. life*, v, 268. Washington, 1893. 8°.

— Report on a small collection of insects made during the Death Valley expedition. N. A. fauna, vii, 235-252. Washington, 1893. 8°. Determinations of Orthoptera by Lawrence Brunner.

— See also United States entomological commission; and Walsh, B. D., and Riley, C. V.

Roemer, Joann Jacob. Genera insectorum Linnei et Fabricii iconibus illustrata. 8+86+4 pp., 37 pl. Vitoduri, 1789. 4°.

Rogers, R. Vashon. *Diapheromera femorata* Say, or *Spectrum femoratum* Harris. Can. ent., iv, 200. London, 1872. 8°.

Saunders, Henry Scholey. Collecting at the electric light, 1886. Can. ent., xix, 21-29. London, 1887. 8°.

Saunders, William. Insects injurious to the grape. Rep. fruit gr. ass. Ont., 1870, 94-117. Toronto, 1871. 8°.

— Insects injurious to the raspberry. Rep. ent. soc. Ont., 1873, 7-17. Toronto, 1874. 8°.

— Insects injurious to fruits. 436 pp., 440 figs. Philadelphia, 1883. 8°.

Saussure, Henri de. Orthoptera nova americana (Diagnoses praeliminales). Series i-iii, 16+33+17 pp. Paris, 1859-1862. 8°. (i, Rev. mag. zool., 1859, 59-63, 201-212, 315-317, 390-394 [the last not included in the reprint]. ii, Ibid., 1861, 126-130, 156-164, 313-324, 397-402. iii, Ibid., 1862, 163-171, 227-234.)

— Études sur quelques orthoptères du musée de Genève nouveaux ou imparfaitement connus. Ann. soc. ent. France, (4), i, 469-494, pl. 11-12. Paris, 1861. 8°.

— Mélanges orthoptérologiques. Tomes i-ii. Genève, 4°. i, 460 pp., 7 pl., 1863-1871. ii, 834 pp., 29 pl., 1872-1878. Extr. Mém. soc. hist. phys. nat. Genève, xvii-xxv; as follows: Tome i, fasc. 1, pp. (1-4), 1-44, pl. 1 (Mémoires, xvii, pt. 1, 129-170, 1863); fasc. 2, pp. 45-148, pl. 2-3 (Mémoires, xx, 227-326, 1869); fasc. 3, pp. (1-4), 149-362, pl. 4-6 (Mémoires, xxi, 1-214, 1870); fasc. 3, suppl., pp. (1-2), 363-460, pl. 7 (Mémoires, xxi, 239-336, 1871). Tome ii, fasc. 4, pp. (1-8), 1-164, pl. 8-10 (Mémoires, xxiii, 1-164, 1872); fasc. 5, pp. 165-504 (Mémoires, xxv, 1-352, 1877); fasc. 6, pp. 505-837, pl. 11-19 (Mémoires, xxv, 369-702, 1878).

— Blattarum novarum species aliquot. Pp. 1-31, 109-113. Paris, 1864-1869. 8°. (Rev. mag. zool., 1864, 305-326, 341-349; 1869, 109-113. Paris, 1864, 1869. 8°.)

— Orthoptères de l'Amérique moyenne. 279 pp., 2 pl. Genève et Paris, 1864-1865. 4°. (Sauss., Mém. hist. nat. Mex., I, iii-iv.)

— Phasmidarum novarum species nonnullae. Rev. mag. zool., (2), xx, 63-70. Paris, 1868. 8°.

— Orthopterorum species novae aliquot. Rev. mag. zool., (2), xx, 97-101, 354-357. Paris, 1868. 8°.

— Essai d'un système des mantides. Mitth. schweiz. ent. ges., iii, 49-73. Schaffhausen, 1869. 8°.

— Additions au Système des mantides. Mitth. schweiz. ent. ges., iii, 221-244. [Schaffhausen, 1870.] 8°.

— *Synopsis des mantides américains.* 184 pp., 2 pl. Genève et Ryle, 1871. 4°. (Sauss., *Mém. hist. nat. Mex.*, II, i.)

— *Etudes sur les insectes orthoptères.* 6+533 pp., 8 pl. Paris, 1872 [1872-1879]. f°. (Mission scientifique au Mexique et dans l'Amérique centrale. *Recherches zoologiques.* Sixième partie, première section, livr. i, pp. 1-132, pl. 1-4, 1870; ii, pp. 133-202, pl. 5-6, 1872; iii, pp. 203-516, pl. 7-8, 1874; iv, pp. (1-6), 517-533, 1879. Paris. f°.)

— *Prodromus oedipodiorum insectorum ex ordine orthopterorum.* 256 pp., 1 pl. Genève, 1884. 4°. (*Mém. soc. phys. hist. nat. Genève*, xxviii, no. 9.)

— *Additamenta ad Prodromus oedipodiorum insectorum ex ordine orthopterorum.* 182 pp., 1 pl. Genève, 1888. 4°. (*Mém. soc. phys. hist. nat. Genève*, xxx, no. 1.) This and the preceding were subsequently connected, with a new title page: *Prodrome des oedipodiens, insectes de l'ordre des orthoptères.* Genève, 1888. 4°.

— *Orthoptera centrali americana.* *Soc. ent.*, vii, 121-124. Zürich, 1892. 4°.

— *De quelques genres de blattes, tribu des blattiens.* *Soc. ent.*, viii, 57-58, 67-68. Zürich, 1893. 4°.

— *Orthoptera genuina. Gryllidae.* *Biol. centr. amer., Zool., Orth.*, pp. 198-284, pl. 11-13. London, 1894-1897. 4°.

— *Révision de la tribu des panesthiens et de celle des epilampriens, insectes orthoptères de la famille des blattides.* *Rev. suisse zool.*, iii, 299-364, pl. 9. Genève, 1895. 8°.

— *Révision du genre Tridactylus.* *Rev. suisse zool.*, iv, 407-420. Genève, 1897. 8°.

— *Un genero nuevo de ortopteros.* 4 pp. San José, 1897. f°. (*Anal. inst. fis.-geogr. nac. Costa Rica*, vii, 135-138. San José, 1897. f°.) Text in French and Spanish.

— *Analecta entomologica, I. Orthopterologica.* *Rev. suisse zool.*, v, 183-250, 787-809, pl. 9. Genève, 1898. 8°.

— *See also* Laurent, P., and Saussure, H. de; *and* Pictet, A., et Saussure, H. de.

Saussure, Henri de, and Pictet, Alphonse. *Orthoptera genuina. Locustidae.* *Biol. centr. amer., Zool., Orth.*, pp. 285-458, pl. 14-22. London, 1897-1899. 4°.

— *See also* Pictet, A., and Saussure, H. de.

Saussure, Henri de, and Zehntner, Leo. *Orthoptera genuina. Blattidae, Mantidae.* *Biol. centr. amer., Zool., Orth.*, pp. 13-197, pl. 1 (figs. 24-26), pl. 2 (figs. 21-25), pl. 3-10. London, 1893-1894. 4°.

— *Révision de la tribu des périsphaériens, insectes orthoptères de la famille des blattides.* *Rev. suisse zool.*, iii, 1-60, pl. 1. Genève, 1895. 8°.

Say, Thomas. *American entomology, or descriptions of the insects of North America; illustrated by colored figures from original drawings, executed from nature.* 3 vols. Philadelphia, 1824-1828. 8°. i, t. p., pp. 1-8,

(1-112), pl. 1-18, 1824; * ii, pp. (1-142), pl. 19-36, 1825; iii, pp. (1-138), pl. 37-54, 1828. To which is added: A glossary to Say's Entomology. 37 pp. Philadelphia, 1825. 8°. (Complete writings, i, 23-24, 1-160, pl. 1-54.)

— *In* Keating, William H., Narrative of an expedition to the source of St. Peter's River, Lake Winnepeek, Lake of the Woods, etc., etc., performed in the year 1823, by order of the Hon. John Caldwell Calhoun, Secretary of War, under the command of Stephen Harriman Long. Compiled from the notes of Major Long, Messrs. Say, Keating and Calhoun. 2 vols. Philadelphia, 1824. 8°. Vol. ii. Appendix. Part 1, Natural history. § 1, Zoology, pp. 254-378. (Orthoptera, p. 297.) (Complete writings, i, 176-258. Orthoptera, pp. 197-198.) A London edition appeared in 1825 in 2 vols. 8°, in which the Appendix, 144 pp., had separate paging.

— Description of new hemipterous insects, collected in the expedition to the Rocky Mountains, performed by order of Mr. Calhoun, Secretary of War, under command of Major Long. Journ. acad. nat. sci. Philad., iv, 307-345. Philadelphia, 1825. 8°. (Complete writings, ii, 237-260).

— Oeuvres entomologiques de Th. Say . . . contenant l'entomologie américaine, les mémoires insérés dans le journal de l'académie des sciences naturelles de Philadelphie, dans les transactions de la société philosophique d'Amérique, dans le journal de Boston, etc., etc. Recueillies et traduites par M. A. Gory. Livr. 1-4. Pp. 1-320, pl. 1. Paris, 1837. 8°.

— The complete writings of Thomas Say on the entomology of North America, edited by John Lawrence LeConte, M. D. 2 vols. New York, 1859. 8°. i, t. p., 24+412 pp., 54 pl.; ii, 2 t. p., 4+814 pp. 1 pl.

Schwarz, Eugene Amandus. *In* Ins. life, ii. Washington, 1889. 8°.

— Notes on the comparative vitality of insects in cold water. Proc. ent. soc. Wash., i, 208-215. Washington, 1890. 8°.

— Flight of a grasshopper when pursued. Proc. ent. soc. Wash., i, 253-254. Washington, 1890. 8°.

— Preliminary remarks on the insect fauna of the Great Salt Lake, Utah. Can. ent., xxiii, 235-241. London, 1891. 8°.

Scudder, Samuel Hubbard. On the genus *Rhaphidophora* Serville; with descriptions of four species from the caves of Kentucky, and from the Pacific coast. 9 pp. Boston, 1861. 8°. (Proc. Bost. soc. nat. hist., viii, 6-14. Boston, 1861. 8°.)

— List of Orthoptera collected on a trip from Assiniboia to Cumberland. Can. nat. geol., vii, 283-288. Montreal, 1862. 8°.

— Materials for a monograph of the North American Orthoptera, including a catalogue of the known New England species. Bost. journ. nat. hist., vii, 409-480. Boston, 1862. 8°. See also Harris, T. W.; and Uhler, P. R.

* A first fascicle was issued in 1817, containing t. p., pp. 1-10 (1-22), 6 pl.; the plates being those of vol. i afterwards numbered 1, 4, 7, 10, 14, 18, but sometimes with changed nomenclature. It contained no Orthoptera.

— Remarks on some characteristics of the insect fauna of the White Mountains, New Hampshire. Bost. journ. nat. hist., vii, 612-631, pl. 14-15. Boston, 1863. 8°.

— The songs of the grasshoppers. Amer. nat., ii, 113-120. Salem, 1868. 8°.

— Notes on the stridulation of some New England Orthoptera. 8 pp. Boston, 1868. 8°. (Proc. Bost. soc. nat. hist., xi, 306-313. Boston, 1868. 8°.)

— [Remarks on a curious specimen of *Diapheromera femorata*]. Proc. Bost. soc. nat. hist., xi, 325. Boston, 1868. 8°.

— Entomological notes, i-vi. Reprinted from the Proceedings of the Boston society of natural history, vols. xi-xix, 1868-1878. Boston, 8°. i, 11 pp., 1868 (Proc. Bost. soc. nat. hist., xi, 384-387, 390, 401-403, 435-436). ii, 48 pp., 1869 (Proc. Bost. soc. nat. hist., xii, 99, 139-143, 228-235, 330-355, 404-409). iii, 34 pp., 1 pl., 1870 (Proc. Bost. soc. nat. hist., xiii, 221-222, 272-276, 282-306, pl.). iv, 91 pp., 1875 (Proc. Bost. soc. nat. hist., xvii, 86-91, 206-209, 257-282, 294-314, 454-462, 467-471, 472-485, 510-517). v, 72 pp., 1876 (Proc. Bost. soc. nat. hist., xviii, 113-114, 188-190, 251-271, 287-332). vi, 55 pp., 1 pl., 1878 (Proc. Bost. soc. nat. hist., xix, 27-41, 77-79, 80-94, 238-239, 248-249, 275, 281-290, 296-301, 336).

— [Note on the eggs and egg-cases of *Caloptenus spretus*]. Proc. Bost. soc. nat. hist., xi, 436. Boston, 1868. 8°. (Ent. notes, i, 11. 1868.)

— [Brief account of the migratory grasshoppers of the United States.] Proc. Bost. soc. nat. hist., xii, 87-88. Boston, 1868. 8°.

— [Experiments upon the reproduction of lost limbs in the walking-stick, *Diapheromera femorata*]. Proc. Bost. soc. nat. hist., xii, 99. Boston, 1868. 8°. (Ent. notes, ii, 1. 1869.)

— [A chalciditan parasite of Oedipoda.] Proc. Bost. soc. nat. hist., xii, 99. Boston, 1868. 8°. (Ent. notes, ii, 1. 1869.)

— A century of Orthoptera. 84 pp. Boston, [1868-1879] 1879. 8°. Dec. i. Proc. Bost. soc. nat. hist., xii, 139-143. Boston, 1868. 8°. (Ent. notes, ii, 2-6. 1869.) ii. Proc. Bost. soc. nat. hist., xvii, 454-462. Boston, 1875. 8°. (Ent. notes, iv, 57-65. 1875.) iii. Proc. Bost. soc. nat. hist., xvii, 472-478. Boston, 1875. 8°. (Ent. notes, iv, 71-77. 1875.) iv. Proc. Bost. soc. nat. hist., xvii, 510-517. Boston, 1875. 8°. (Ent. notes, iv, 84-91. 1875.) v. Proc. Bost. soc. nat. hist., xviii, 251-257. Boston, 1876. 8°. (Ent. notes, v, 6-12. 1876.) vi. Proc. Bost. soc. nat. hist., xviii, 257-264. Boston, 1876. 8°. (Ent. notes, v, 12-19. 1876.) vii. Proc. Bost. soc. nat. hist., xix, 27-35. Boston, 1877. 8°. (Ent. notes, vi, 5-13. 1878.) viii. Proc. Bost. soc. nat. hist., xx, 63-75. Boston, 1879. 8°. ix. Proc. Bost. soc. nat. hist., xx, 75-86. Boston, 1879. 8°. x. Proc. Bost. soc. nat. hist., xx, 87-95. Boston, 1879. 8°.

— Catalogue of the Orthoptera of North America described previous to 1867. 20+89 pp. Washington, 1868. 8°. (Smiths. misc. coll., 189.)

— Revision of the large, stylated, fossorial crickets. Mem. Peab. acad. sc., i, 28+2 pp., 1 pl. Salem, 1869. 8°.

- A study of the gigantic lobe-crested grasshoppers of South and Central America. *Proc. Bost. soc. nat. hist.*, xii, 345-355. Boston, 1869. 8°. (*Ent. notes*, ii, 31-41. 1869.)
- [Notice of a new cave insect from New Zealand.] *Proc. Bost. soc. nat. hist.*, xii, 408-409. Boston, 1869. 8°. (*Ent. notes*, ii, 47-48. 1869.)
- Descriptions of new species of Orthoptera in the collection of the American entomological society. *Trans. amer. ent. soc.*, ii, 305-307. Philadelphia, 1869. 8°.
- Notes on the Orthoptera collected by Dr. Ferdinand Vandever Hayden in Nebraska. *Rep. U. S. geol. surv. Nebr.*, 247-261. Washington, 1872. 8°.
- Distribution of insects in New Hampshire. *Hitchc., Rep. geol. New Hampsh.*, i, 331-380, pl. A-C. Concord, 1874. 8°.
- The note of the katydid. *Psyche*, i, 93-94. Cambridge, 1875. 8°.
- Notes on Orthoptera from northern Peru, collected by Professor James Orton. *Proc. Bost. soc. nat. hist.*, xvii, 257-282. Boston, 1875. 8°. (*Ent. notes*, iv, 11-36. 1875.)
- Spharagenion, — a genus of Oedipodidae; with a revision of the species. *Proc. Bost. soc. nat. hist.*, xvii, 467-471. Boston, 1875. 8°. (*Ent. notes*, iv, 66-70. 1875.)
- Revision of two American genera of Oedipodidae. *Proc. Bost. soc. nat. hist.*, xvii, 478-485. Boston, 1875. 8°. (*Ent. notes*, iv, 77-84. 1876.)
- Notice of the butterflies and Orthoptera, collected by Mr. George Mercer Dawson, as naturalist of the British North American boundary commission. 5 pp. Montreal, 1875. 8°. (*Rep. geol. res.* 49th par., App. D., 341-345. Montreal, 1875. 8°.)
- The chirp of the mole cricket. *Psyche*, i, 105-106. Cambridge, 1875. 8°.
- Odoriferous glands in Phasmidae. *Psyche*, i, 137-140. Cambridge, 1876. 8°.
- Habits and forms of *Caloptenus spretus*. *Psyche*, i, 144. Cambridge, 1876. 8°.
- Brief synopsis of North American earwigs, with an appendix on the fossil species. *Bull. U. S. geol. surv. terr.*, ii, 249-260. Washington, 1876. 8°.
- List of the Orthoptera collected by Dr. Alpheus Spring Packard in Colorado and the neighboring territories, during the summer of 1875. *Bull. U. S. geol. surv. terr.*, ii, 261-267. Washington, 1876. 8°.
- Synoptical tables for determining N. A. insects. Orthoptera.—U. S. Forficulariae. *Psyche*, i, 177-178. Cambridge, 1876. 8°.
- [*Gryllus domesticus* in the United States, introduced from Europe.] *Amer. nat.*, x, 508. Boston, 1876. 8°.
- The mode in which cockroaches and earwigs fold their wings. *Amer. nat.*, x, 521-529. Boston, 1876. 8°.

— Description of three species of *Labia* from the southern United States. *Proc. Bost. soc. nat. hist.*, xviii, 265–268. Boston, 1876. 8°. (*Ent. notes*, v, 20–23. 1876.)

— Orthoptera from the Island of Guadalupe. *Proc. Bost. soc. nat. hist.*, xviii, 268–271. Boston, 1876. 8°. (*Ent. notes*, v, 23–26. 1876.)

— Critical and historical notes on Forficulæ; including descriptions of new generic forms and an alphabetical synonymic list of the described species. *Proc. Bost. soc. nat. hist.*, xviii, 287–332. Boston, 1876. 8°. (*Ent. notes*, v, 27–72. 1876.)

— Report on the Orthoptera collected by the United States geographical surveys west of the one hundredth meridian, under the direction of Lieutenant George Montague Wheeler, during the season of 1875. *Ann. rep. chief eng.*, 1876; appendix JJ, 498–515. Washington, 1876. 8°. *Same*. *Ann. rep. geogr. surv.* 100th mer., 278–295. Washington, 1876. 8°.

— *In* Jones, John Matthew, Visitor's guide to Bermuda. London, etc., 1876. 12°.

— New forms of saltatorial Orthoptera from the southern United States. *Proc. Bost. soc. nat. hist.*, xix, 35–41. Boston, 1877. 8°. (*Ent. notes*, vi, 13–19. 1878.)

— The Florida Orthoptera collected by Mr. John Henry Comstock. *Proc. Bost. soc. nat. hist.*, xix, 80–94. Boston, 1877. 3°. (*Ent. notes*, vi, 21–35. 1878.)

— A partial ascent of Sierra Blanca. *Appal.*, i, 258–266, pl. 10. Boston, 1878. 8°.

— Remarks on *Calliptenus* and *Melanoplus*, with a notice of the species found in New England. (*Proc. Bost. soc. nat. hist.*, xix, 281–286. Boston, 1878. 8°. (*Ent. notes*, vi, 40–45. 1878.)

— Brief notice of the American species of *Melanoplus* found west of the one hundredth and seventeen meridian. *Proc. Bost. soc. nat. hist.*, xix, 286–290. Boston, 1878. 8°. (*Ent. notes*, vi, 45–49. 1878.)

— Orthoptera of Florida. *Psyche*, ii, 154. Cambridge, 1878. 8°.

— A cardinal grasshopper. *Psyche*, ii, 189. Cambridge, 1878. 8°.

— A few notes on North American *Acridii*. *Can. ent.*, xii, 75–76. London, 1880. 8°.

— *In* *Psyche*, iii. Cambridge, 1880. 4°.

— List of the Orthoptera collected by Dr. Alpheus Spring Packard in the western United States in the summer of 1877. *Rep. U. S. ent. comm.*, ii, App. 2; pp. 23–28, pl. 17. Washington, 1880 [1881]. 8°.

— Texan Forficulidæ. *Can. ent.*, xix, 67–69. London, 1887. 8°.

— *In* *Proc. nat. sc. assoc. Staten Isl.* for 1887. New Brighton, 1887. 8°.

— Some genera of *Oedipodidæ* rescued from the *Tryxalidæ*. *Psyche*, v, 431–442. Cambridge, 1890. 4°.

— The orthopteran genus *Hippiscus*. *Psyche*, vi, 265–274, 285–288, 301–304, 317–320, 333–336, 347–350, 359–363. Cambridge, 1892. 4°.

- North American Phasmidae. *Psyche*, vi, 372. Cambridge, 1893. 4^o.
- The songs of our grasshoppers and crickets. *Ann. rep. ent. soc. Ont.*, xxiii, 62-78. Toronto, 1893. 8^o.
- Malformations in embryo *Dissosteira*. *Psyche*, vi, 406. Cambridge, 1893. 4^o.
- Embryonic and paleozoic Phasmidae compared. *Psyche*, vi, 406. Cambridge, 1893. 4^o.
- Biological notes on American Gryllidae. *Psyche*, vii, 3-5. Cambridge, 1894. 4^o.
- Walking sticks. *Harp. mag.*, lxxxviii, 454-461, 11 figs. New York, 1894. 8^o.
- A preliminary review of the North American Decticinae. *Can. ent.*, xxvi, 177-184. London, 1894. 8^o.
- The North American Centrophili. *Proc. amer. acad. arts sc.*, xxx, 17-113. Boston, 1894. 8^o.
- *In Insect life*, vi. Washington, 1894. 8^o.
- *In Psyche*, vii. Cambridge, 1894. 4^o.
- The need of a change of base in the study of North American Orthoptera. *Science*, n. s., i, 19-20. New York, 1895. 8^o.
- Summary of the U. S. Phasmidae. *Can. ent.*, xxvii, 29-30. London, 1895. 8^o.
- *Scapteriscus* in the United States. *Psyche*, vii, 215. Cambridge, 1895. 4^o.
- Northern captures of *Panchlora viridis*. *Psyche*, vii, 215. Cambridge, 1895. 4^o.
- The katydid's orchestra. *Science*, n. s., ii, 591-592. New York, 1895. 8^o.
- Butterflies and Orthoptera in Labrador. *Psyche*, vii, 319-320. Cambridge, 1895. 4^o.
- The apterous species of *Podisma* in Europe and America. *Psyche*, vii, 346. Cambridge, 1896. 4^o.
- The Rocky Mountain locust and its allies in Canada. *Rep. ent. soc. Ont.*, xxvi, 62-66. Toronto, 1896. 8^o.
- Index to the Mantidae of North America north of Mexico. *Can. ent.*, xxviii, 207-215. London, 1896. 8^o.
- Some American crickets. *Harp. mag.*, xciii, 691-696, 9 figs. New York, 1896. 8^o.
- The North American species of *Nemobius*. *Journ. N. Y. ent. soc.*, iv, 99-107. New York, 1896. 8^o.
- The species of *Nemobius* found in North America. *Psyche*, vii, 431-434. Cambridge, 1896. 4^o.
- List of exotic Orthoptera described by S. H. Scudder, 1868-1879, with a revision of their nomenclature. *Proc. Bost. soc. nat. hist.*, xxvii, 201-228. Boston, 1896. 8^o.

- Notes on eggs of *Stagmomantis carolina*. *Psyche*, viii, 11. Cambridge, 1897. 4°.
- The genera of North American *Melanopli*. *Proc. amer. acad. arts sc.*, xxxii, no. 9, 193–206. Boston, 1897. 8°.
- *Diapheromera femorata*. *Psyche*, viii, 30–31. Cambridge, 1897. 4°.
- Pink locustarians. *Psyche*, viii, 54–55. Cambridge, 1897. 4°.
- A genus of *Gryllidae* hitherto unrecorded from the United States. *Psyche*, viii, 56. Cambridge, 1897. 4°.
- Synonymical and descriptive notes on North American Orthoptera. *Can. ent.*, xxix, 73–76. London, 1897. 8°.
- Our greenhouse Orthoptera. *Psyche*, viii, 71. Cambridge, 1897. 4°.
- *Aulocara* and *Ageneotettix*. *Psyche*, viii, 71. Cambridge, 1898. 4°.
- Guide to the genera and classification of the North American Orthoptera found north of Mexico. 89 pp. Cambridge, 1897. 8°. Although not cited in the present volume (since it contains no reference to species), this work is included in the list as the first general survey of our Orthoptera published.
- The species of the genus *Melanoplus*. *Proc. a mer. phil. soc.*, xxxvi, 5–35. Philadelphia, 1897. 8°.
- The species of *Anabrus* and their distribution. *Psyche*, viii, 95. Cambridge, 1897. 4°.
- Biological and other notes on American *Acridiidae*. *Psyche*, viii, 99–102. Cambridge, 1897. 4°.
- *In Psyche*, viii. Cambridge, 1897. 4°.
- Revision of the orthopteran group *Melanopli* (*Acridinae*) with special reference to North American forms. *Proc. U. S. nat. mus.*, xx, 1–4, 1–421, pl. 1–26. Washington, 1897. 8°.
- Brunner's genus *Metaleptea*. *Psyche*, viii, 168. Cambridge, 1898. 4°.
- The acridian subfamily *Mastacinae* in the United States. *Psyche*, viii, 179. Cambridge, 1898. 4°.
- Commercial introduction of exotic Orthoptera. *Psyche*, viii, 180. Cambridge, 1898. 4°.
- A Japanese orthopteron in a Minnesota greenhouse. *Psyche*, viii, 191. Cambridge, 1898. 4°.
- The alpine Orthoptera of North America. T. p., 21 pp., 4 pl. Boston, 1898. 8°. (*Appal.*, viii, 299–319, pl. 41–44. Boston, 1898. 8°.)
- The orthopteran group *Scudderidae*. *Proc. amer. acad. arts sc.*, xxxiii, no 15, 269–290, pl. Boston, 1898. 8°.
- American species of *Scudderidae*. *Psyche*, viii, 226. Cambridge, 1898. 4°.
- A preliminary classification of the *Tryxalinae* of the United States and Canada. *Psyche*, viii, 231–239. Cambridge, 1898. 4°.

- — The described species of *Xiphidium* in the United States and Canada. *Can. ent.*, xxx, 183-184. London, 1898. 8°.
- New *Melanopli*. *Psyche*, viii, 299. Cambridge, 1898. 4°.
- Supplement to a revision of the *Melanopli*. *Proc. Davenp. acad. nat. sc.*, vii, 157-205, pl. 7-9. Davenport, 1899. 8°.
- The Orthopteran genus *Schistocerca*. *Proc. amer. acad. arts sc.*, xxxiv, no. 17, 439-476. Boston, 1899. 8°.
- The *Stenopelmatinae* of the Pacific coast. *Can. ent.*, xxxi, 113-121. London, 1899. 8°.
- The North American species of *Orphulella*. 12 pp. London, 1899. 8°. (*Can. ent.*, xxxi, 177-188. London, 1899. 8°.)
- Short studies of North American *Tryxalinae*. *Proc. amer. acad. arts sc.*, xxxv, no. 2, 39-57. Boston, 1899. 8°.
- Two genera of North American *Decticinae*. *Proc. amer. acad. arts sc.*, xxxv, no. 5, 81-93. Boston, 1899. 8°.
- The species of *Myrmecophila* in the United States. *Psyche*, viii, 423-428. Cambridge, 1899. 4°.
- *Pseudopomala* and its allies. *Psyche*, viii, 430-438. Cambridge, 1899. 4°.
- In *Psyche*, ix. Cambridge, 1900. 4°.
- Catalogue of the described Orthoptera of the United States and Canada. *Proc. Davenp. acad. nat. sc.*, viii, 1-101, pl. 1-3. Davenport, 1900. 8°.
- The species of the Orthopteran genus *Derotmema*. *Proc. amer. acad. arts sc.*, xxxv, no. 19, 385-395. Boston, 1900. 8°.
- The species of the Oedipodine genus *Heliastus* Sauss., occurring in the United States. *Psyche*, ix, 45-47. Cambridge, 1900. 4°.
- The species of *Hadrotettix*, a genus of Oedipodinae. *Psyche*, ix, 67-69. Cambridge, 1900. 4°.
- Notes on the Orthopteran genus *Leprus*. *Psyche*, ix, 75-76. Cambridge, 1900. 4°.
- The clear-winged species of the Oedipodine genus *Mestobregma*. *Psyche*, ix, 90-93. Cambridge, 1900. 4°.
- Localities for western *Tryxalinae*. *Psyche*, ix, 95. Cambridge, 1900. 4°.
- A list of the Orthoptera of New England. *Psyche*, ix, 99-106. Cambridge, 1900. 4°.
- The distribution of *Leptysma marginicollis* (Serv.). *Psyche*, ix, 116. Cambridge, 1900. 4°.
- *Mantis religiosa* in America. *Psyche*, ix, 119. Cambridge, 1900. 4°.
- Some insects of the Hudsonian zone in New Mexico: Orthoptera. *Psyche*, ix, 124-125. Cambridge, 1900. 4°.
- — New or little known California Orthoptera. *Can. ent.*, xxxii, 329-332. London, 1900. 8°.

— The species of *Circotettix*, a North American genus of Oedipodinae. *Psyche*, ix, 135-141. Cambridge, 1900. 4°.

— A tropical type of acridian new to the United States. *Journ. N. Y. ent. soc.*, viii, 213-214. New York, 1900. 8°. (I include this paper because nominally published in 1900. It was not issued until January, 1901.)

Segura, José C., et al. Informe que la comision para el estudio de los medios mas adecuados para la destruccion de la longosta, rinde á la secretaría de fomento. 184 pp., 1 pl. México, 1883. 8°.

Seiss, Covington Few. *In* Ent. news, viii, ix, xi. Philadelphia, 1897, 1898, 1900. 8°.

Sells, William. Entomological notes. *Trans. ent. soc. Lond.*, iii, 101-104. London, 1842. 8°.

Serville, Jean Guillaume Audinet. *In the Dictionnaire classique d'histoire naturelle* par M. M. Audouin . . . et Bonj. de Saint Vincent. Ouvrage dirigé par ce dernier collaborateur, et dans lequel on a ajouté pour le porter au niveau de la science, un grand nombre de mots qui n'avaient pu faire de la plupart des dictionnaires antérieurs. Tom. i-xvii. Paris, 1822-1831. 8°. (*Orthoptera*, ii, s. v. Blatte, 541-542. 1822.)

— *In* Ferrussac, *Bull. sc. nat.*, i. Paris, 1824. 8°.

— Revue méthodique des insectes de l'ordre des orthoptères. 101 pp. Paris, 1831. 8°. (*Ann. sc. nat.*, xxii, 28-65, 134-167, 262-292. Paris, 1831. 8°.)

— Histoire naturelle des insectes. Orthoptères. 18+777 pp., 14 pl. Paris, 1839. 8°. See also Burmeister, H. C. C.; and Lefebvre, A.

Shaw, George, and Nodder, Richard P. *Vivarium naturae, or The naturalist's miscellany.* 24 vols. London, 1790-1813. 8°.

Shufeldt, Robert Wilson. *Romalea microptera.* *Science*, ii, 811-814, pl. Cambridge, 1883. 8°.

Slingerland, Mark Vernon. Occurrence of *Stagnomantis carolina* in New York. *Ent. news*, x, 288-289. Philadelphia, 1899. 8°.

— The common European praying Mantis a new beneficial insect in America. *Ann. rep. Corn. univ. agric. exp. st.*, xiii (*Bull.* 185), 33-47, figs. 12-14. Ithaca, 1900. 8°.

— See also Comstock, J. H., and Slingerland, M. V.

Smith, John Bernhard. Catalogue of insects found in New Jersey. 486 pp. Trenton, 1890. 8°.

— The insects injuriously affecting cranberries. *Bull. N. J. exp. st.*, K. 43 pp. New Brunswick, 1890. 8°.

— Grasshoppers, locusts and crickets. *Bull. New Jersey agric. coll. exp. st.*, xc. 34 pp. New Brunswick, 1892. 8°.

— Digestive system of Orthoptera. *Ent. news*, iv, 47-49, pl. p. 50. Philadelphia, 1893. 8°.

— The katydid's orchestra. *Science*, n. s., ii, 591. New York, 1895. 8°.

— The katydid's orchestra. *Ent. news*, vi, 323. Philadelphia, 1895. 8°.

— *In* Entomological news, x. Philadelphia, 1899. 8°.

— *Insects of New Jersey.* A list of the species occurring in New Jersey, with notes on those of economic importance. 4+755 pp., 2 maps, 328 figs. incl. 18 pl. Trenton, 1900. 8°. (Suppl. 27 Ann. rep. st. bd. agric., 1899.)

Smith, Sidney Irving. *On the Orthoptera of the state of Maine.* Proc. Portl. soc. nat. hist., i, 143-157. Portland, 1868. 8°.

— *Report of the entomologist.* Ann. rep. Conn. bd. agric., 1872-1873, 345-383. Hartford, 1873. 8°.

Sommer. *See* Zincken.

Southwick, Edmund Bronk. *In* Ins. life, iv., Washington, 1891. 8°.

— *In* Rep. ent. soc. Ont., xxii., Toronto, 1891. 8°.

Spence, William. *See* Kirby, W., and Spence, W.

Stål, Carl. *Entomologiska notiser.* Öfv. vet.-acad. förh., xii, 343-353. Stockholm, 1856. 8°.

— *Orthoptera species novas descripsit C. Stål.* Sv. freg. Eug. resa, Zoologi, v. (Insekter, 4.) Pp. 299-350, pl. 10. Stockholm, 1861. 4°.

— *Orthoptera nova.* Öfv. vet.-akad. förh., xxx, no. 4, 39-53. Stockholm, 1873. 8°.

— *Recensio Orthopterorum; revue critique des orthoptères décrits par Linné, de Geer, et Thunberg.* 3 parts. Stockholm, 1873-1875. 8°. i, 4+154 pp. 1873. ii, 4+121 pp. 1874. iii, 4+105 pp. 1875.

— *Recherches sur le système des phasmides.* Bih. sv. vet.-akad. handl., ii, no. 17. 19 pp. Stockholm, 1875. 8°.

— *Observations orthoptérologiques.* i-iii. Stockholm, 1875-1878. 8°. [i], Bih. sv. vet.-akad. handl., iii, no. 14. 43 pp. 1875. ii, *Ibid.*, iv, no. 5. 58 pp. 1876. iii, *Ibid.*, v, no. 9. 20 pp. 1878.

— *Systema Mantodeorum, essai d'une systématisation nouvelle des mantodées.* Bih. sv. vet.-akad. handl., iv, no. 10. 98 pp., 1 pl. Stockholm, 1877. 8°.

— *Systema Acridiodeorum, essai d'une systématisation des acridiodées;* i. Bih. sv. vet.-akad. handl., v, no. 4. 100 pp. Stockholm, 1878. 8°.

Stoll, Caspar. *Natuurlijke en naar het leven nauwkeurig gekleurde afbeeldingen en beschrijvingen der spoken, wandelende bladen, zabelspringhanen, krekels, trek-springhanen en kakkerlakken, in alle vier deelen der wereld, Europe, Asia, Afrika en America, huishoudende; bij een verzamelt en beschreven. Also entitled: Representation exactement colorée d'après nature des spectres ou phasmes, des mantes, des sauterelles, des grillons, des criquets, et des blattes, qui se trouvent dans les quartres parties du monde, l' Europe, l' Asie, l' Afrique et l' Amérique, rassemblées et décrites.* Amsterdam, 1787-1813. 4°. i. *Spectres et nantes*, 6+79 pp., 25 pl. 1787. ii. *Sauterelles, grillons et blattes*, 6+42+8+8+14 pp., 13+23+4+5 pl. 1813.

Stoll, Otto. *Ueber die wanderheuschrecke von Central-Amerika, Schistocerca (Acridium) peregrina Oliv.* Mitth. schweiz. ent. ges., vi, 199-211. Schaffhausen, 1881. 8°.

Sulzer, Johann Heinrich. Die kennzeichen der insekten nach anleitung des Ritters Karl Linnæus durch 24 kupfertafeln erläutert und mit derselben natürlichen geschichte begleitet. Mit einer vorrede der Herrn Johannes Gesznars. 28+203+67 pp., 24 pl. Zurich, 1761. 4°.

Sutton, Walter Stanborough. The spermatogonial divisions in *Brachystola magna*. Kans. univ. quart., ix, 135-160, pl. 32-35. Lawrence, 1900. 8°.

— See also Hunter, S. J., and Sutton, W. S.

Taylor, Alexander S. An account of the grasshoppers and locusts of America. Ann. rep. Smiths. inst., 1858, 200-213. Washington, 1859. 8°.

Taylor, George William. Notes for April in Vancouver Island. Ott. nat., xii, 57-59. Ottawa, 1898. 8°.

Therese, PRINZESSIN VON BAYERN. Von ihrer k. hoheit der prinzeßin von Bayern auf einer reise in Südamerika gesammelte insekten. II. Orthoptera. a. Orthoptera genuina. Berl. ent. zeitschr., xlv, 253-258, pl. 3. Berlin, 1900. 8°. (Species determined by Carl Brunner von Wattenwyl.)

Thomas, Cyrus. In Proc. ent. soc. Philad., i. Philadelphia, 1862. 8°.

— Insects injurious to vegetation in Illinois. Trans. Ill. st. agric. soc., v, 1861-1864, 401-468. Springfield, 1865. 8°.

— The hateful or Colorado grasshopper (*Caloptenus spretus* Uhler and Walsh). Amer. ent., ii, 81-84. St. Louis, 1870. 4°.

— Descriptions of grasshoppers, from Colorado. Proc. acad. nat. sc. Philad., 1870, 74-84. Philadelphia, 1870. 8°.

— A methodical table of the crickets. Amer. ent., ii, 206-207. St. Louis, 1870. 4°.

— A list and description of new species of Orthoptera. Ann. rep. U. S. geol. surv. terr., ii, 265-284. Washington, 1871. 8°.

— Contribution to orthopterology. Proc. acad. nat. sc. Philad., 1871, 149-153. Philadelphia, 1871. 8°.

— On a new grasshopper from Colorado. Can. ent., iii, 168. London, 1871. 8°.

— Notes on a new orthopterous insect. Can. ent., iv, 16-18. London, 1872. 8°.

— Notes on the saltatorial Orthoptera of the Rocky Mountain regions. Ann. rep. U. S. geol. surv. terr., v, 423-466, pl. 1-2. Washington, 1872. 8°.

— Descriptions of new species of Orthoptera collected in Nevada, Utah, and Arizona by the expedition under Lieut. George Montague Wheeler. Proc. acad. nat. sc. Philad., 1873, 295-297. Philadelphia, 1873. 8°.

— Synopsis of the Acrididae of North America. 10+262 pp., 1 pl. (Rep. U. S. geol. surv. terr., v.) Washington, 1873. 4°.

— Passage of specific characters from one genus to another. Amer. nat., vii, 566. Salem, 1873. 8°.

— Descriptions of some new Orthoptera, and notes on some species but little known. Bull. U. S. geol. geogr. surv. terr., i, ser. 1, no. 2, 63-71. Washington, 1874. 8°.

— Description of a new grasshopper from Arizona. *Field for.*, i, 4-5. Washington, 1875. 8°.

— Report upon the collections of Orthoptera made in portions of Nevada, Utah, California, Colorado, New Mexico and Arizona, during the years 1871, 1872, 1873, and 1874. *Rep. U. S. geol. surv. west 100th merid.*, v, 843-908, pl. 43-45. Washington, 1875. 4°.

— Key to Illinois Orthoptera. 4 pp. [Carbondale, 1875?] 8°.

— A list of the Orthoptera of Illinois. *Bull. Ill. mus. nat. hist.*, no. 1, 59-69. [Springfield?], 1876. 8°.

— A list of Orthoptera collected by Joseph Duncan Putnam of Davenport, Iowa, during the summers of 1872-3-4 and 5, chiefly in Colorado, Utah and Wyoming territories. *Proc. Davenport acad. nat. sc.*, i, 249-264, pl. 36. Davenport, 1876. 8°. *See also* Putnam, J. D., Notes, etc.

— Description of a new species of *Acerididae* from Arizona. *Proc. Davenport acad. nat. sc.*, ii, 124-125, pl. 4. Davenport, 1877. 8°.

— Report of the state entomologist on the noxious and beneficial insects of the state of Illinois. vi, vii, ix, 1877-80. Springfield. 8°. vi, 174+7 pp., 1877. vii, 290 pp., 1878. ix, 4+142+6 pp., 1880.

— On the Orthoptera collected by Dr. Elliott Cones, U. S. A., in Dakota and Montana, during 1873-74. *Bull. U. S. geol. surv. terr.*, iv, 481-501. Washington, 1878. 8°.

— Orthoptera. *Ann. rep. chief eng.*, 1878, 1843-1847. Washington, 1878. 8°.

— Manual of economic entomology, part iii. The *Acerididae* of Illinois. *Rep. ent. Ill.*, ix, 71-140. Springfield, 1880. 8°.

— Notes on Orthoptera. *Can. ent.*, xii, 221-224. London, 1880. 8°.

— *In Amer. ent.*, iii. New York, 1880. 8°.

— *In Psyche*, iii. Cambridge, 1880. 4°.

— *See also* United States entomological commission.

Thompson, William. Notice of the blind-fish, cray-fish and insects from the Mammoth Cave, Kentucky. *Ann. mag. nat. hist.*, xiii, 111-113. London, 1844. 8°.

Thon, Theodor. *Entomologisches archiv.* 2 vols. Jena, 1827-1829. 4°. i, 6+126 pp., 5 pl. 1827. ii, 82 pp., 4 pl. 1829.

Thunberg, Carl Peter. Några nya species af Blattae-slågten beskrifna. *K. vet.-acad. nya handl.*, xxxi, 185-189. Stockholm, 1810. 8°.

— Hemipterorum maxillosorum genera illustrata. *Mém. acad. imp. sc. St.-Pét.*, v, 211-301, pl. 3. St.-Petersbourg, 1815. 4°. The plate is wanting in the only two copies seen.

— Acrydii descriptio. *Nova acta reg. soc. Upsal.*, vii, 157-162. Upsaliae, 1815. 8°.

— Dissertatio entomologica de Hemipteris maxillosis capensibus. 2+10 pp. Upsaliae, 1822. 4°.

— Grylli monographia illustrata. *Mém. acad. imp. sc. St.-Pét.*, ix, 390-430, pl. 14. St.-Petersbourg, 1824. 4°.

— *Blattarum novae species descriptae.* Mém. acad. imp. sc. St.-Pét. x, 275-292. St.-Petersbourg, 1826. 4°.

— *Truxalis insecti genus illustratum.* Nova acta reg. soc. Upsal., ix, 76-88. Upsaliae, 1827. 4°.

— See also Stål, C., Rec. Orth. 1873.

Townsend, Charles Henry Tyler. On the courtship of the sexes in *Oedipoda carolina*. Can. ent., xvi, 167-168. London, 1884. 8°.

— Further note on *Dissosteira (Oedipoda) carolina*. Proc. ent. soc. Wash., i, 266-267. Washington, 1890. 8°.

— Some notes on *Acrididae* in the vicinity of Constantine, Michigan. Proc. ent. soc. Wash., ii, 43-44. Washington, 1891. 8°.

— Biologic notes on New Mexico insects. Can. ent., xxiv, 193-200. London, 1892. 8°.

— On the injurious and other locusts of New Mexico and Arizona. Ins. life, vi, 79-32. Washington, 1893. 8°.

— Note on *Ceuthophilus* eating curtains and other fabrics. Ins. life, vi, 58. Washington, 1893. 8°.

Turton, William. A general system of nature, through the three grand kingdoms of animals, vegetables and minerals, systematically divided into their several classes, orders, genera, species and varieties, with their habitations, manners, economy, structure and peculiarities. Translated from Gmelin's last edition of the celebrated *Systema naturae*, by Sir Charles Linné, amended and enlarged by the improvements and discoveries of later naturalists and societies, with appropriate copperplates, in seven volumes. London, 1800-1806. 8°. (Orthoptera, i. 1802.)

— A general system of nature through the three grand kingdoms of animals, vegetables and minerals, systematically divided into their several classes, orders, genera, species and varieties, with their habitations, manners, economy, structure and peculiarities. By Sir Charles Linné. Translated from Gmelin, Fabricius, Willdenow, etc., together with various modern arrangements and corrections derived from the transactions of the Linnean and other societies, as well as from the classical works of Shaw, Thornton, Abbot, Donovan, Sowerby, Latham, Dillwyn, Lewin, Martyn, Andrews, Lambert, etc., etc., with a life of Linné, appropriate copperplates, and a dictionary, explanatory of the terms which occur in several departments of natural history, in seven volumes. London, 1806. 8°. (Orthoptera, ii, 523-570.)

Tutt, James William. Migration and dispersal of insects: Orthoptera. Ent. rec., xi, 89-93. London, 1899. 8°.

Uhler, Philip Reese. In Say, Thomas, The complete writings of Thomas Say on the entomology of North America, edited by John L. LeConte, M. D. Philadelphia, 1859. 8°.

— In Harris, Thaddeus William, A treatise on some of the insects injurious to vegetation. 3d edition. Boston, 1862. 8°.

— In Scudder, Samuel Hubbard, Materials for a monograph of the North American Orthoptera. Boston, 1862. 8°.

— Orthopterological contributions. Proc. ent. soc. Philad.; ii, 543-555. Philadelphia, 1864. 8°.

— In Thomas, Cyrus, Insects injurious to vegetation in Illinois. Springfield, 1865. 8°.

— Report upon the insects collected by P. R. Uhler during the explorations of 1875, including monographs of the families Cydnidae and Saldæ, and the Hemiptera collected by Alpheus Spring Packard, Jr., M. D. Bull. U. S. geol. surv. terr., iii, 355-475, 705-801, pl. 27-28. Washington, 1877. 8°.

— Observations on the insects of the Bermudas. Heilprin, Angelo, Berm. Isl., 152-158. Philadelphia, 1889. 8°.

United States entomological commission [C. V. Riley, C. Thomas, A. S. Packard.] Bulletin, no. 1-3. Washington, 1877-1880. 8°. i, 12 pp., 1877; 2d ed., 15 pp., 1877. ii, 14 pp., map, 1877; 2d ed., 13 pp., map, 1877. iii, 6+144 pp., 1 pl., 1880.

— First annual report for the year 1877 relating to the Rocky Mountain locust and the best means of preventing its injuries and of guarding against its invasions, in pursuance of an appropriation made by congress for this purpose. 16+477+295 pp., 3 maps, 5 pl., 111 figs. in text. Washington, 1878. 8°.

— Second report for the years 1878 and 1879 relating to the Rocky Mountain locust and the western cricket and treating of the best means of subduing the locust in its permanent breeding grounds, with a view of preventing its migrations into the more fertile portions of the trans-Mississippi country, in pursuance of appropriations made by congress for this purpose. 18+322+80 pp., 9 maps, 17 pl., 10 figs. Washington, 1880 [1881]. 8°.

— Third report relating to the Rocky Mountain locust, the western cricket, the army worm, canker worms, and the Hessian fly; together with descriptions of larvae of injurious forest insects, studies on the embryological development of the locust and of other insects, and on the systematic position of the Orthoptera in relation to other orders of insects; with maps and illustrations. 14+347+12 pp., 4 maps, 63 pl., figs. Washington, 1883. 8°.

Villers, Charles Joseph de. Caroli Linnaei entomologia, faunae suecicae descriptionibus aucta; D. D. Scopoli, Geoffroy, De Geer, Fabricii, Schrank, etc., speciebus vel in systemate non enumeratis, vel nuperrime detectis, vel speciebus Galliae australis locupletata, generum specierumque rariorum iconibus ornata. 4 vols. Lugduni, 1789. 8°. (Orthoptera, vol. i.)

Voigt, Friedrich Siegmund. Das thierreich geordnet nach seiner organisation als grundlage des naturgeschichte der thiere und einleitung in die vergleichende anatomie vom Baron von Cuvier. Nach der zweiten vermehrten ausgabe übersetzt und durch zusätze erweitert. 6 vols. Leipzig. 1831, 1843. 8°. (Orthoptera, v, 347-366. 1839.)

Walker, Edmund Murton. Occurrence of *Schistocerca americana* (Drury) at Toronto. Can. ent., xxix, 89. London, 1897. 8°.

— A new grasshopper from Ontario. *Can. ent.*, xxx, 90-92. London, 1898. 8°.

— Notes on some Ontario Acridiidae [I-II]. *Can. ent.*, xxx, 122-126. London, 1898. 8°.

— A new alpine grasshopper from western Canada. *Can. ent.*, xxx, 197-199, pl. 6. London, 1898. 8°.

— Notes on some Ontario Acridiidae, III. — Oedipodinae. *Can. ent.*, xxx, 258-263. London, 1898. 8°. *Ibid.*, xxxi, 29-36. London, 1899. 8°.

Walker, Francis. Catalogue of the specimens of Blattariae in the collection of the British museum. 4+239 pp. London, 1868. 8°. Supplement in Catalogue of the specimens of Dermaptera Saltatoria, [i], 119-156, v, 1-43. London, 1869, 1871. 8°.

— Catalogue of the specimens of Dermaptera Saltatoria in the collection of the British museum, [i]-v. London, 1869-1870 [1871]. 8°. [i], 4+1-224 pp., 1869. ii, 4+225-423 pp., 1869. iii, 4+425-604 pp., 1870. iv, 4+605-809 pp., 1870. v, 4+811-850, 1-43, 1-116 pp., 1870 [1871]. Part [i] adds to the title: and supplement to the Blattariae.

— Hemiptera, Heteroptera and Dermaptera (Orthoptera) of America to the north of the United States. *Can. ent.*, iv, 29-31. London, 1872. 8°.

Walsh, Benjamin Dann. On certain entomological speculations of the New England school of naturalists. *Proc. ent. soc. Philad.*, iii, 207-249. Philadelphia, 1864. 8°.

— On phytophagic varieties and phytophagic species. *Proc. ent. soc. Philad.*, iii, 403-430. Philadelphia, 1864. 8°.

— Grasshoppers and locusts. *Trans. Ill. st. agric. soc.*, v, 1861-64, 497-499. Springfield, 1865. 8°.

— Popular remedies for noxious insects. *Pract. ent.*, i, 71-74. Philadelphia, 1866. 4°.

— Imported insects;—the gooseberry sawfly. *Pract. ent.*, i, 117-125. Philadelphia, 1866. 4°.

— [Answer to Marion Hobart.] *Pract. ent.*, i, 126. Philadelphia, 1866. 4°.

— Grasshoppers and locusts. *Pract. ent.*, ii, 1-5. Philadelphia, 1866. 4°.

— Habits of the tree cricket (*Oecanthus niveus*). *Pract. ent.*, ii, 54. Philadelphia, 1867. 4°.

— [Answer to J. M. Cole.] *Pract. ent.*, ii, 74. Philadelphia, 1867. 4°.

— [Answer to Wm. Willock.] *Pract. ent.*, ii, 96. Philadelphia, 1867. 4°.

— Annual report on the noxious insects of the state of Illinois, i. T. p., 103 pp., 1 pl. Chicago, 1868. 8°.

— On the group Eurytomides of the hymenopterous family Chalcididae; with remarks on the theory of species, and a description of *Antigaster*, a new and very anomalous genus of Chalcididae. *Amer. ent.*, ii, 297-301, 329-335, 367-370. St. Louis, 1870. 8°.

Walsh, Benjamin Dann, and Riley, Charles Valentine.* Grasshoppers. Amer. ent., i, 16, 53. St. Louis, 1868. 8°.

— Grapes cut off by the tree cricket. Amer. ent., i, 38. St. Louis, 1868. 8°.

— Insects named. Amer. ent., i, 57, 60, 148. St. Louis, 1868. 8°.

— The stick-bug. Amer. ent., i, 58. St. Louis, 1868. 8°.

— The preying Mantis, alias devil's riding horse. Amer. ent., i, 59. St. Louis, 1868. 8°.

— The hateful or Colorado grasshopper, *Caloptenus spretus* Uhler and Walsh. Amer. ent., i, 73-76. St. Louis, 1868. 8°.

— Insects to be named. Amer. ent., i, 100. St. Louis, 1869. 8°.

— Eggs of katydid. Amer. ent., i, 100. St. Louis, 1869. 8°.

— Punctured grape canes. Amer. ent., i, 100. St. Louis, 1869. 8°.

— Eggs in peach twigs. Amer. ent., i, 147. St. Louis, 1869. 8°.

— Eggs of the oblong-winged katydid. Amer. ent., i, 166. St. Louis, 1869. 8°.

— Cockroach eggs. Amer. ent., i, 166. St. Louis, 1869. 8°.

— Owl's pellets. Amer. ent., i, 187. St. Louis, 1869. 8°.

— Mole crickets. Amer. ent., i, 205. St. Louis, 1869. 8°.

— Insects infesting the sweet-potato. Amer. ent., i, 234-238. St. Louis, 1869. 8°.

— Eggs of tree cricket on grape vine. Amer. ent., i, 247. St. Louis, 1869. 8°.

— Parasites on "hateful grasshopper." Amer. ent., i, 249. St. Louis, 1869. 8°.

— Range of the rear-horse. Amer. ent., ii, 63. St. Louis, 1869. 8°.

— Insects named. Amer. ent., ii, 65. St. Louis, 1869. 8°.

Weber, Friedrich. *Observationes entomologicae, continentes novorum quae condidit generum characteres et nuper detectarum specierum descriptiones.* 12+117 pp. Kiliae, 1801. 8°.

Webster, Francis Maitland. Notes upon some insects affecting corn. Ins. life, iii, 159-160. Washington, 1890. 8°.

— Notes on fruit-tree insects. Ins. life, iii, 298-300. Washington, 1891. 8°.

— In Ins. life, iv. Washington, 1891. 8°.

— In Rep. ent. soc. Ont., xxii. Toronto, 1891. 8°.

— Insects affecting the blackberry and raspberry. Bull. Ohio agric. st., (2), v, no. 45, 151-217. Columbus, 1892. 8°.

— A prolonged season of occurrence for *Schistocerca americana*. Can. ent., xxxi, 28. London, 1899. 8°.

Webster, Francis Maitland, and Mally, Charles W. Insects of the year in Ohio. Bull. div. ent. U. S. dep. agric., n. s., xvii (Proc. ass. econ. ent., x), 98-102. Washington, 1898. 8°.

* As editors of the American Entomologist, in unsigned articles.

— Insects of the year in Ohio. Bull. div. ent. U. S. dep. agric., n. s., xx (Proc. ass. econ. ent., xi), 68-73. Washington, 1899. 8°.

Weed, Clarence Moores. On the injurious locusts of central Illinois. Misc. ess. econ. ent. Ill., 48-56. Springfield, 1886. 8°.

— On an outbreak of injurious locusts in central Illinois. Rep. ent. Ill., xv, 40-44. Springfield, 1887. 8°.

— A partial bibliography of insects affecting clover. Bull. Ohio exp. st., techn. ser., i, 17-45. Columbus, 1889. 8°.

— Life histories of American insects. 12+272 pp., incl. 21 pl. New York, 1897. 8°.

Weed, Howard Evarts. Notes on the insect fauna of the Mississippi bottoms. Can. ent., xxiv, 276-279. London, 1892. 8°.

Weeks, Leroy Titus. The "katy-did" call. Ins. life, ii, 282. Washington, 1890. 8°.

Westwood, John Obadiah. Drury, Dru, Illustrations of exotic entomology, containing upwards of six hundred and fifty figures and descriptions of foreign insects, interspersed with remarks and reflections on their nature and properties. A new edition, brought down to the present state of the science, with the systematic characters of each species, synonyms, indexes, and other additional matter, in 3 vols. London, 1837. 4°. i, 264+123 pp., 1+50 pl. ii, 6+100 pp., 50 pl. iii, 6+94 pp., 50 pl.

— In Guérin, Mag. zool., vii. Paris, 1837. 8°.

— In Proc. zool. soc. Lond., part v. London, 1837. 8°.

— On Hymenotes, a genus of exotic orthopterous insects. Mag. nat. hist., (2), iii, 489-495. London, 1839. 8°.

— An introduction to the modern classification of insects, founded on the natural habits and corresponding organizations of the different families. 2 vols. London, 1839-1840. 8°. (Orthoptera, i, 398-462, 1839.)

— Arcana entomologica, or Illustrations of new, rare and interesting exotic insects. 2 vols. London, 1841-1845. 8°. i, 4+192 pp., pl. 1-48. ii, 4+192 pp., pl. 49-95.

Catalogue of orthopterous insects in the collection of the British museum. Part i. Phasmidae. 4+195 pp., 40+8 pl. London, 1859. 4°.

— The animal kingdom, arranged after its organization, forming a natural history of animals, and an introduction to comparative anatomy, by the late Baron Cuvier. Translated and adapted to the present state of science. New edition with considerable additions, by William Benjamin Carpenter and J. O. Westwood. T. p., 22+706 pp., 34 pl. London, 1863. roy. 8°.

— Thesaurus entomologicus oxoniensis; or Illustrations of new, rare and interesting insects for the most part contained in the collections presented to the university of Oxford by the Rev. Frederick William Hope. 24+205 pp., 40 pl. Oxford, 1874. f°.

— Revisio insectorum familiae Mantidarum speciebus novis aut minus cognitis descriptis et delineatis. 2+54+3 pp., 14 pl. London, 1889. f°.

Wheeler, William Morton. Note on the oviposition and embryonic development of *Xiphidium ensiferum* Scudd. *Ins. life*, ii, 222-225. Washington, 1890. 8°.

— The habits of *Myrmecophila nebrascensis* Bruner. *Psyche*, ix, 111-115, fig. Cambridge, 1900. 4°.

— A new myrmecophile from the mushroom gardens of the Texan leaf-cutting ant. *Amer. nat.*, xxxiv, 851-862, figs. 1-6. Boston, 1900. 8°.

White, Adam. List of insects. Richardson, Sir John, Arctic searching expedition through Rupert's Land and the Arctic Sea in search of Sir John Franklin. ii, 357-363. London, 1851. 8°.

Whitman, Allen. Report on the Rocky Mountain locust for 1876. 43 pp., map. Saint Paul, 1877. 8°.

Whitman, Allen, et al. The grasshopper or Rocky Mountain locust, and its ravages in Minnesota. A special report to the Hon. C. K. Davis, governor of Minnesota. 50 pp. Saint Paul, 1876. 8°.

Wilcox, Earley Vernon. Spermatogenesis of *Caloptenus femurrubrum* and *Cicada tibicen*. *Bull. mus. comp. zool.*, xxvii, 1-28, pl. 1-5. Cambridge, 1895. 8°.

— Further studies on the spermatogenesis of *Caloptenus femurrubrum*. *Bull. mus. comp. zool.*, xxix, 193-203, pl. 1-3. Cambridge, 1896. 8°.

Willcox, Mary Alice. Anatomy of the grasshopper. *Observer*, vii, 184-192, figs. 1-16. Portland, 1896. 8°.

— Directions for the practical study of the grasshopper. *Observer*, vii, 374-378. Portland, 1896. 8°.

Wilson, James. A treatise on insects, general and systematic, being the article Entomology from the seventh edition of the *Encyclopaedia britannica*, with five hundred and forty woodcuts. 327 pp., pl. 220-239. Edinburgh, 1835. 4°.

— Entomology. *Encycl. brit.*, 8 ed., ix, 1-265, pl. 233-252. Boston, 1855. 4°. (Other editions not examined.)

Wood, John George. Insects abroad, being a popular account of foreign insects, their structure, habits and transformations. 12+780 pp., 20 pl. London, 1874. 8°.

Wood-Mason, James. Synopsis of the species of *Choeradodis*, a remarkable genus of Mantodea, common to India and tropical America. *Journ. asiat. soc. Bengal*, xlix, ii, 82-84. Calcutta, 1880. 8°.

— Revised synopsis of the species of *Choeradodis*, a remarkable genus of Mantodea, common to India and tropical America. *Journ. asiat. soc. Bengal*, liii, pt. 2, 238-244, figs. 1-15. Calcutta, 1884. 8°.

— A catalogue of the Mantodea with descriptions of new genera and species, and an enumeration of the specimens in the collection of the Indian museum, Calcutta. 2 nos. Calcutta, 1889-1891. 8°. i, t. p., 48 pp. 1889. i, t. p., pp. 49-66, pl. 1-2. 1891.

Zabriskie, Jeremiah L. Structure of the musical rasps of tree crickets, *Oecanthus*. Journ. N. Y. micr. soc., xiii, 1-5, pl. 62. New York, 1897. 8°.

Zehntner, Léo. See Saussure, H. de, and Zehntner, L.

Zimmerman, Christoph. Zur naturgeschichte der *Mantis carolina*. Arch. nat., ix, 390-392. Berlin, 1843. 8°.

Zincken surnamed Sommer, Johann Leopold Theodor Friedrich. In Germ., Mag. ent., i, heft ii. Halle, 1815. 8°.

Zschach, Johann Jacob. Museum N. G. Leskeanum. Pars entomologica ad systema entomologiae cl. Fabricii ordinata. Cum tab. aen. pictis. 4+136 pp., 3 pl. Lipsiae, 1788. 8°.

INDEX TO SPECIFIC NAMES

SHOWING THE GROUPS TO WHICH THEY ARE REFERRED.

- | | |
|----------------------------|------------------------------------|
| abbreviata, Acheta | acutus, Melanoplus |
| Hormilia | • admirabilis, Stenobothrus |
| abbreviatus, Diophanes | Syrbula |
| Gryllus | adspersicollis, Blatta |
| Scapteriscus | Blatta (Phyllodromia) |
| abditus, Melanoplus | Phyllodromia |
| Pezotettix | adumbratum, Phibalosoma (Xylodus) |
| abdominalis, Chloealetis | adumbratus, Acanthoderus (Xylodus) |
| Chrysochraon | Xylodus |
| abluta, Gryllacris | aduncus, Conocephalus |
| ablutus, Melanoplus | adustus, Conocephalus |
| abortiva, Chloealetis | advena, Anisolabis |
| Locusta (Chloealetis) | Hormetica |
| Mesochloa | Labidura |
| abortivus, Anurogryllus | aegyptiaca, Blatta |
| Eritettix | Blatta (Polyphaga) |
| Gryllodes | aegyptus, Gryllus |
| Melanoplus | aeneoculata, Vileria |
| acadica, Tettigidea | aequale, Spharagemon |
| academicus, Tettix | aequale scudderi, Spharagemon |
| accola, Cyclocercus | aequalis, Cacopteris |
| Gongrocnemis | Dissosteira |
| acollua, Blatta | Dissosteira (Spharagemon) |
| Blatta (Phyllodromia) | Gryllus |
| Panchlora | Libisoca |
| acridodes, Achurum | Locusta |
| Tryxalis | Oedipoda |
| aculeata, Forficula | Orphula |
| Orphulella | Orphulella |
| acuminata, Coelopterna | Polyphaga |
| Locusta | Stenobothrus |
| acuminatus, Conocephalus | Trimerotropis |
| Gryllus (Tettigonia) | aequalis bilineata, Orphulella |
| Nomotettix | Stenobothrus |
| acuta, Acanthacara | aetolus, Bacteria |
| Tettigidea | Phibalosoma (Bactridium) |
| acuticorne, Phasma | affiliatum, Microcentrum |
| acuticornis, Syrbulia | affiliatus, Pezotettix |
| acutipennis, Campylacantha | affinis, Forficula (Forficesila) |
| Eriolus | Locusta |
| Hypochlora | Melanoplus |
| Pezotettix | Nemobius |
| acutulus, Conocephalus | Orphulella |

- affrictus**, Hippiscus (Xanthippus)
agassizii, Ceuthophilus
 Raphidophora
 Scapteriscus
agile, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
agilis, Gryllus (Locusta)
 Gryllus (Pterophyllum)
 Gryllus (Tettigonia)
 Locusta
 Locusta (Xiphidium)
agitor, Apithus
 Hapithus
agrestis, Trimerotropis
alacris, Mermiria
alaris, Biolleya
 Blatta
alaskanus, Melanoplus
alba, Hypochlora
albescens, Trimerotropis
albinacula, Celidophylla
albinervis, Pseudophyllodromia
albipes, Apterygida
 Forficula
albolineata, Conozoa
 Schistocerca
 Trimerotropis (Agonozoa)
albolineatum, Acridium
albomarginata, Anaplecta
albonotata, Plagiostira
albulus, Hippiscus (Xanthippus)
albus, Melanoplus
 Pezotettix
alcazazzas, Blatta
algidus, Melanoplus
alipes, Aphidna
 Phaneroptera
 Valna
alleni, Melanoplus
alpinus, Ceuthophilus
 Melanoplus
alternans, Gryllacris
altitudinum, Melanoplus
 Pezotettix
altivulus, Hippiscus
 Hippiscus (Xanthippus)
altus, Oeonomus
alutacea, Cyrtacanthacris
 Schistocerca
alutaceum, Acridium
ambiguum, Acridium
ambitosus, Nemobius
americana, Blabera
 Blatta
 Blatta (Kakkerlac)
 Blatta (Periplaneta)
- americana**, Cyrtacanthacris
 Forficesila
 Forficula
 Gryllotalpa
 Kakkerlac
 Labidura
 Loboptera
 Opisthocosmia
 Periplaneta
 Periplaneta (Cacerlaca)
 Psalis
 Schistocerca
americanum, Acridium
 Acridium (Cyrtacanthacris)
 Acridium (Schistocerca)
americanus, Cycloptilus
 Gryllus
 Orchesticus
 Stipator
amoena, Hypnorna (Calhypnorna)
amplectens, Melanoplus
amplus, Melanoplus
androgyna, Stagnomantis
angelicus, Melanoplus
angulata, Cyphocrana
 Diapherodes
 Mantis
angulatum, Pasma
 Pasma (Diapherodes)
angulatus, Haplopus
angusta, Mantis
angustata, Blatta
 Pseudophyllodromia
angusticollis, Cyrtioxiphus
angusticornis, Tryxalis
angustifolia, Phaneroptera
 Scudderia
angustifrons, Xiphidium
angustipennis, Caloptenus
 Melanoplus
 Oecanthus
 Phaedrotettix
angustulus, Gryllus
angustus, Gryllus
 Tettix
annectens, Vates
annulata, Eneoptera
 Forficula
 Labia
 Phalangopsis
annulatus, Gryllus
 Gryllus (Locusta)
 Orocharis
 Paroecanthus
annulicornis, Ischnoptera
 Loboptera
annulipes, Amphiacustes

- annulipes, Anisolabis
 Gryllus (Phalangopsis)
 Locusta (Rhaphidophora)
 Phalangopsis
 antennata, Anisolabis
 antiguensis, Theganopteryx (Pseudotobia)
 antillarum, Anaulocomera
 Anurogryllus
 Bacteria
 Bacteria (Pseudobacteria)
 Callimantis
 Ectatoderus
 Eurycotis
 Gryllodes
 Iris
 Mantis (Stagmatoptera)
 Orocharis
 Panchlora
 Pseudobacteria
 Stylopyga
 antoni, Anisolabis
 apacha, Homoeogamia
 apicalis, Tridactylus
 Tridactylus (Xya)
 Xya
 apiculata, Locusta
 Tettigidea
 apithoides, Diatrypus
 appendiculata, Turpilia
 appendiculatum, Acridium
 aptera, Aptenopedes
 Opomala
 Pseudopomala
 apterus, Caletes
 Endacustes
 Schoenobates
 aquilina, Locusta
 aquilinus, Gryllus (Tettigonia)
 arachidis, Sphingolabis
 arachnoides, Acheta
 Phalangopsis
 aranea, Amphiacustes
 arboreum, Orchelimum
 arboreus, Melanoplus
 arcta, Arphia
 arctatus, Stenobothrus
 arcticus, Caloptenus
 Melanoplus
 arcuata, Labia
 Marsa
 arenosum, Acridium (Tetrix)
 arenosus, Tettix
 argentatus, Boettix
 argentinus, Gryllus
 Oecanthus
 aridifolia, Mimetica
 aridus, Heliastus
 Melanoplus
 Pezotettix
 Thrincus
 aries, Conocephalus
 arizonae, Melanoplus
 arizonensis, Aeoloplus
 Ceuthophilus
 armata, Tettigidea
 armata depressa, Tettigidea
 artemisiae, Melanoplus
 arumata, Bacteria
 ascendens, Conocephalus
 ascensor, Podisma
 ascensus, Melanoplus
 aspera, Trachyrachis
 asperum, Mestobregma
 aspirans, Pezotettix
 assimilis, Acheta
 Gryllus
 Gryllus (Acheta)
 assimilis cubensis, Gryllus
 assimilis pallidus, Gryllus
 ater, Melanoplus
 Stenopelmatus
 aterrintus, Nemobius
 atlanis, Caloptenus
 Melanoplus
 Pezotettix
 atlanis caeruleipes, Melanoplus
 atlantica, Paroxya
 atlanticus, Conocephalus
 Pezotettix
 atomaria, Phoraspis
 atopogamia, Melliera
 atricula, Gryllacris
 atrifrons, Bliastes
 atrispinum, Idiarthron
 atrispinus, Meroncidius
 atropos, Blabera
 Blatta (Blabera)
 atrox, Camnula
 Oedipoda
 attenuatum, Xiphidium
 attenuatus, Conocephalus
 Melanoplus
 auditor, Heterocus
 aurantia, Schistocerca
 aurantiaca, Thyrocera
 auricornis, Rhomalea
 auricularia, Forficula
 aurilegulus, Hippiscus
 Hippiscus (Xanthippus)
 auriventris, Amblytropidia
 Boopedon
 australasiae, Blatta (Periplaneta)
 Periplaneta

- australasiae, Periplaneta (Cacerlaca)
 australis, Tettigidea
 autumnalis, Pezotettix
 azteca, Acanthodis
 Aidemona
 Anaplecta
 Anisolabis
 Bacteria (Bacunculus)
 Blatta
 Copiophora
 Corydia (Holocompsa)
 Ctenophlebia
 Epilampra
 Forcinella
 Gongrocnemis
 Gryllotalpa
 Holocompsa
 Homoeogamia
 Ischnoptera
 Latindia (Paralatindia)
 Mantis (Stagmatoptera)
 Nyctobora
 Oedipoda
 Panchlora
 Paralatindia
 Phalangopsis
 Phylloptera
 Polyzosteria
 Stagmomantis
 Stilpnochlora
 Theoclytes
 aztecum, Acanthoprion
 Glaphyrosoma
 Microcentrum
 Platyphyma
 aztecus, Acanthops
 Amphiacustes
 Apithes
 Ceuthophilus
 Conocephalus
 Cyrtoxiphus
 Ectatoderus
 Endacustes
 Gryllus
 Heliastus
 Meroneidius
 Oxycoryphus
 Paratettix
 Paroecanthus
 Pezotettix
 Pseudovates
 Tettix
 Tomonotus
 Xyronotus
 azureus, Trimerotropis
 baconi, Melanoplus
 baculina, Thesprotia
 baculum, Phasma
 Spectrum
 balteatum, Spharagemon
 barretti, Neotettix
 Ochetotettix
 bartholomaea, Clonistria
 behrensi, Arphia
 Brachystola
 Chimarocephala
 Conozoa
 Sinaloa
 belfragei, Merimia
 Oedipoda
 bellicosus, Phrixocnemis
 berosus, Prisopus
 bicolor, Amphitornus
 Blatta
 Caloblatta
 Ceuthophilus
 Dactylotum
 Gryllus
 Ischnoptera
 Phoraspis
 Scaphura
 Stenobothrus
 bicornis, Bacteria
 Gryllus (Mantis)
 Mantis
 Oligonyx
 Spanionyx
 bicuspis, Calynda
 bideni, Mantis
 Spanionyx
 bifasciata, Mantis
 Trimerotropis
 bilineata, Labia
 Orphulella
 Steiroxys
 bilineatus, Conocephalus
 Idiostatus
 Stenobothrus
 Tettix
 bilituratus, Caloptenus
 Caloptenus (Melanoplus)
 Melanoplus
 bilobatus, Ceuthophilus
 Gammarotettix
 bilunata, Paratropa
 bimacula, Apterygida
 bimaculata, Forficula
 binotata, Holocompsa
 biolleyi, Calolampra
 Conocephalus
 Paratropa
 Rhipipteryx
 biolleyi, intermedia, Rhipipteryx
 bipunctata, Acheta

- bipunctata, Psalidophora
 Spongophora
 Xabia
 bipunctatus, Gryllus
 Gryllus (Acheta)
 Gryllus (Oecanthus)
 Oecanthus
 bipunctulata, Anaptycha
 bispinosa, Calolampra
 Mantis
 bispinosum, Phasma
 bispinosus, Haplopus
 Melanoplus
 bistrigata, Cyclocercus
 bisulca, Exocoephala
 bivittata, Anisomorpha
 Blatta
 Blatta (Phyllodromia)
 Diapheromera
 Forficula
 Gongrocnemis
 Ischnoptera
 Mermiria
 Opomala
 Phyllodromia
 bivittatum, Acridium
 Acridium (Caloptenus)
 Acridium (Opomala)
 Spectrum
 bivittatus, Caloptenus
 Gryllus
 Melanoplus
 Pezotettix
 bivittatus femoratus, Melanoplus
 blaberoides, Epilampra
 blandus, Melanoplus
 blatchleyi, Ceuthophilus
 Melanoplus
 blattoides, Ischnoptera
 bogotensis, Neolobophora
 bohemani, Pezotettix
 bolivari, Hormilia
 Neotettix
 bolli, Dissosteira
 Dissosteira (Spharagemon)
 Spharagemon
 bolliana, Homoeogamia
 Ischnoptera
 bollianus, Oligonox
 bolteri, Neotettix
 borekii, Acridium (Podisma)
 Melanoplus
 Pezotettix
 Podisma
 boreale, Mestobregma
 borealis, Ameles
 Blatta
 borealis, Blatta (Phyllodromia)
 Brunneria
 Caloptenus
 Cycloptilus
 Ectobia
 Gryllotalpa
 Gryllotalpa (Curtilla)
 Gryllus (Gryllotalpa)
 Ischnoptera
 Litaneutria
 Melanoplus
 Pezotettix
 Phyllodromia
 Psiniidia (Trachyrachis)
 Steiroxys
 Trachyrachis
 bormansi, Sparatta
 borrei, Sphenarium
 bowditchi, Melanoplus
 brachyptera, Amblycorypha
 Mermiria
 Opomala
 Pseudopomala
 brachypterum, Stetheophyma
 brasiliensis, Blatta
 Epilampra
 brevicauda, Dichopetala
 Gongrocnemis
 brevicornis, Copiochora
 Gryllus (Acheta)
 Gryllus (Acridium)
 Gryllus (Tryxalis),
 Metaleptea
 Pyrgomorpha
 Tryxalis
 brevisfolius, Scopiorus
 brevipenne, Achurum
 Rhadinotatum
 Xiphidium
 brevipennis, Acheta (Gryllotalpa)
 Adeclus
 Apithes
 Chinnarocephala
 Chortophaga
 Eriolus
 Gryllotalpa
 Gryllus (Gryllotalpa)
 Hesperotettix
 Miogryllus
 Ommatolampis
 Opomala
 Tragocephala
 Tryxalis
 brevipes, Ceuthophilus
 Daihinia
 Phalangopsis
 Phalangopsis (Daihinia)

- brevis, Copiophora
 brevis, Epilampra
 brevistylus, Lichenochirus
 brevitarsis, Calolampra
 bruneri, Capnobotes
 Ceuthophilus
 Melanoplus
 Orchelimum
 Tettigidea
 Trimerotropis
 Xiphidium
 brunnea, Chloealetis
 Coloradella
 Dichromorpha
 Labia
 Scyllina
 brunneipennis, Psalidophora
 Sphongophora
 brunneri, Blabera
 Episactus
 Hemiblabera
 Mimetica
 Paratylotropidia
 Pseudostauronotus
 Tettix
 brunneriana, Blatta
 Blatta (Phyllodromia)
 brunnerianum, Derotmema
 brunnerianus, Phylloscirtus
 brunneus, Gomphocerus
 Idionotus
 Platybothrus
 Stenobothrus
 buddjaha, Psoloessa
 buprestoides, Anisomorpha
 Blatta
 Ischnoptera
 Oxyhaloa
 Phasma
 Phasma (Anisomorpha)
 burgessi, Labia
 burkartii, Bacteria
 burkhartianus, Oxycoryphus
 burneisteri, Blatta (Phyllodromia)
 Epilampra
 Phyllodromia
 cabreræ, Polyzosteria
 caecus, Ceuthophilus
 caelebs, Acanthops
 Pseudacanthops
 caerulans, Sphingonotus
 Stagnomantis
 caeruleipennis, Trimerotropis
 caeruleipes, Aulocara
 Melanoplus
 Trimerotropis
 caeruleus, Phylloscirtus
 calamus, Bacteria
 Mantis
 Paropomala
 Phasma
 Phasma (Bacteria)
 Spectrum
 calcarata, Bacteria
 Diapheromera
 calcaratum, Phasma (Bacteria)
 calcaratus, Stenopelmatus
 calidus, Melanoplus
 californiana, Hemiudeopsylla
 californianus, Ceuthophilus
 californica, Apterygida
 Forticula
 Morsea
 Platylyra
 Sphingolabis
 Trimerotropis
 californicum, Timema
 californicus, Aeoloplus
 Gammarotettix
 Heliastus
 Hippiscus (Stictippus)
 Idiostatus
 Oecanthus
 Stenopelmatus
 Thrinacus
 caliginosa, Trimerotropis
 calthulus, Hippiscus (Xanthippus)
 Xanthippus
 camellifolia, Locusta
 camellifolius, Gryllus (Locusta)
 Gryllus (Tettigonia)
 camerani, Bliastes
 camerata, Schistocerca
 campestre, Orchelimum
 Xiphidium
 campestris, Gryllus
 Trimerotropis
 camurus, Platythorus
 canadensis, Chloealetis
 cancellata, Mantis
 caneri, Melanoplus
 canonicus, Melanoplus
 canotus, Orocharis
 cantans, Ectecous
 canus, Nemobius
 capensis, Gryllus
 capitata, Blatta
 Ischnoptera
 capitatus, Buerates
 Gryllus
 capito, Copiophora
 Mestobregma
 Pseudidria
 Pseudidria (Trachyrachis)

- capito, Trachyrachis
 caraibea, Epilampra
 Polyzosteria
 caraibeus, Amphiacustes
 Eriolus
 Gryllodes
 carbonaria, Eurycotis
 Rhipipteryx
 carbonarius, Conocephalus
 cardinalis, Tropidacris
 carinata, Arphia
 Batrachidea
 Neduba
 Oedipoda
 Opomala
 Rhienoda
 Schistocerca
 Titanacris
 carinatus, Acentetus
 Bacillus
 Eritettix
 Gomphocerus
 Gryllus (Bulla)
 Gryllus (Locusta)
 Mesops
 Nomotettix
 Tettix
 Tomonotus
 carinulata, Calolampra
 carinulatus, Scopiorus
 carliniana, Oedipoda
 Oedipoda (Circotettix)
 carlinianus, Circotettix
 carolina, Dissosteira
 Dissosteira (Oedipoda)
 Locusta
 Mantis
 Mantis (Stagmatoptera)
 Mantis (Stagmomantis)
 Oedipoda
 Oedipoda (Dissosteira)
 Oedipoda (Hippiscus)
 Phasmomantis
 Stagmomantis
 carolinensis, Comptonotus
 Gryllacris
 Neortus
 caroliniana, Locusta
 carolinum, Acridium
 Acridium (Oedipoda)
 carolinus, Gryllus
 Gryllus (Locusta)
 Gryllus (Mantis)
 Nemobius
 carpenterii, Gomphocerus
 Stenobothrus
 castanea, Ischnoptera
 castanea, Latindia
 Tropizaspis
 castaneus, Ceuthophilus
 castus, Cocconotus
 catenaultii, Elaëochlora
 caudata, Amblycorypha
 Phylloptera
 caudatus, Orophus
 Paratettix
 caurus, Bradynotes
 cavernarum, Hadenocerus
 Rhaphidophora
 cavicola, Arachnomimus
 cayennensis, Liturgousa
 cayennensis maya, Liturgousa
 celatus, Ceuthophilus
 cellularis, Mantis (Photina)
 cenchri, Melanoplus
 centurio, Acridium (Rhomalea)
 Dictyophorus
 Gryllus
 Gryllus (Locusta)
 Locusta (Rutidoleres)
 Rhomalea
 Taeniopoda
 cephalotes, Stenopelmatus
 cerineipennis, Locusta
 chalybea, Labia
 championi, Aencistrogaster
 Angela
 Caloxiphus
 Cyrtoxiphus
 Diatrypus
 Labia
 Microcentrum
 Peucestes
 Phasmomantis
 Phoberopus
 cheliduiroides, Labia
 chenopodii, Aeoloplus
 chichimeca, Blatta
 Tettigidea
 chichimeca australis, Tettigidea
 chichimecus, Cyrtoxiphus
 Gryllus
 Tettix
 chlorizans, Arnalia
 Mesops
 Stenacris
 chlorophaea, Empusa
 Mantis
 Pseudovates
 Theoclytes
 chlorophaea cornuta, Theoclytes
 chontalia, Pyragra
 Thermastris
 christopheri, Diapherodes

- chrysomelas**, Gryllus
 Gryllus (Locusta)
chrysopa, Phlugis
cicada, Rhombea
cicatricosa, Blatta (Zetobora)
 Zetobora
 Zetobora (Phortioeca)
cicindeloides, Thamnoscirtus
cincta, Blatta
 Oedipoda
 Pseudomops
 Thyrsochera
 Trachyrachis
 Trimerotropis
cinctipes, Stratoctes
 Zaora
cinctum, Mestobregma
cinerascens, Pachytylus
cinerea, Alpha
 Nauphoeta
 Ochrilidia
 Sinipta
cinereum, Xiphidium
cinereus, Caloptenus
 Conocephalus
 Horesidotes
 Melanoplus
cingulata, Mantis
 Mantis (Acontista)
 Pseudovates
 Theoclytes
circumcincta, Plectoptera
 Prosthacusta
circumcinctus, Nemobius
circumdatus, Plectoptera
circumdatus, Meroncidius
circumvagus, Nauphoeta
 Phoetalia
citrifolia, Locusta
citrifolium, Phasma
citrifolius, Gryllus (Tettigonia)
citrina, Trimerotropis
claudicans, Metrypa
clausus, Conocephalus
clavatus, Gomphocerus
 Stenobothrus
clavicornis, Gomphocerus
clavuligera, Oxya
clavuligerum, Acridium (Oxya)
clepsydra, Gomphocerus
 Stenobothrus
clypeatus, Caloptenus
 Melanoplus
coccinatus, Poecilotettix
coccinipes, Melanoplus
cochleata, Copiophora
cockerelli, Melanoplus
coelestis, Osmilia
collare, Spharagemon
collare scudderi, Spharagemon
collaris, Blatta (Holocompsa)
 Corydia (Holocompsa)
 Dissosteira
 Dissosteira (Spharagemon)
 Holocompsa
 Melanoplus
 Oedaleonotus
 Oedipoda
 Trimerotropis
collinus, Melanoplus
coloradensis, Phaneroptera
 Psoloessa
 Stenobothrus
coloradus, Anabrus
 Bacillus
 Stenobothrus
coloradus unicolor, Stenobothrus
colorata, Chromacris
 Rhomalea
coloratum, Acridium
colosseum, Microcentrum
columbia, Gryllotalpa
 Gryllotalpa (Curtilla)
 Trimerotropis
columbiana, Epilampra
columbina, Schistocerca
columbinum, Acridium (Schisto-
 cerca)
columbinus, Gryllus
comanchus, Nemobius
 Stenopelmatus
compacta, Udeopsylla
compactus, Hippiscus
 Melanoplus
complanatipes, Melanoplus
completus, Melanoplus
compressa, Hymenotes
compressum, Acridium
compressus, Nomotettix
 Phaulotettix
compta, Orphulella
comptus, Melanoplus
concauum, Platyphyllum
 Platyphyllum (Cyrtophyllus)
 Pterophyllum
concauus, Cyrtophyllus
 Gryllus (Pterophyllum)
concinnum, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
concinus, Rhadidotettix
concolor, Acridium
 Cyrtaacanthacris
conformis, Ischnoptera

confusus, Melanoplus
 consanguineus, Melanoplus
 consobrina, Ischnoptera
 consobrinus, Eriolus
 conspersa, Anepsia
 Arphia
 Blatta
 Blatta (Zetobora)
 Chloealtis
 Epilampra
 Locusta (Chloealtis)
 Paragenes
 Philobora
 Proscratea
 Proscratea (Tribonium)
 Trimerotropis
 Tryxalis
 conspersa abortiva, Chloealtis
 conspersum, Chrysochraon
 conspersus, Acanthodiphrus
 Melanoplus
 Stenobothrus
 conspicuus, Hippiscus (Xanthippus)
 Melanoplus
 conspurcata, Mantis
 constricta, Arethaea
 constrictus, Cocconotus
 consuetipes, Arethaea
 contingens, Conocephalus
 Gryllus
 convexus, Tettix
 coquillei, Ligurotettix
 Trimerotropis (Agonozoa)
 corallina, Locusta
 Oedipoda
 corallinus, Gryllus
 Poepedetes
 corallipes, Hippiscus
 Hippiscus (Xanthippus)
 Oedipoda
 Xanthippus
 corallipes rugosus, Hippiscus
 cordata, Mantis
 cordillerae, Acontista
 coriacea, Locusta
 Locusta (Acanthodis)
 coriaceum, Platyphyllum
 coriaceus, Gryllus (Tettigonia)
 cornea, Xestoptera
 cornuta, Bacteria
 Bacteria (Bacunculus)
 Bacteria (Pseudobacteria)
 Copiophora
 Theoclytes
 cornutum, Phasma
 Phasma (Acanthoderus)
 cornutus, Acanthoderus

coronata, Locusta
 Trachyrachis
 coronatum, Lirometopum
 Mestobregma
 coronatus, Gryllus (Tettigonia)
 Peucestes
 corpulentus, Leprus
 Melanoplus
 corrugatus, Orochirus
 corticicola, Ceuthophilus
 costalis, Encoptolophus
 Oedipoda
 Tragocephala
 costatus, Phylloscirtus
 couloni, Podoscirtus
 coulöniana, Ischnoptera
 Phylloptera
 Stilpnochlora
 coulönianum, Microcentrum
 coxalis, Coscinenta
 cragini, Orchesticus
 Stipator
 Thyreonotus
 craniipes, Blabera
 crassa, Epilampra
 crassipes, Opomala
 crassus, Barytettix
 Ceuthophilus
 Pterinoxylus
 Tettix
 crenata, Ectemna
 crenulata, Alpha
 Ochridia
 Sinipta
 crepitans, Conocephalus
 Cyrtophyllus
 crepusculum, Arphia
 cribrata, Panchlora
 cribratum, Microcentrum
 cristata, Arphia
 Batrachidea
 Dissosteira (Spharagemon)
 Trimerotropis (Agonozoa)
 Tropidacris
 cristata carinata, Batrachidea
 cristatum, Spharagemon
 cristatus, Gryllus (Locusta)
 Nomotettix
 Tettix
 cristulata, Acanthodis
 croceipennis, Psalidophora
 croceipennis lherminieri, Spongo-
 phora
 croceipennis parallela, Spongo-
 phora
 crocotaria, Schistocerca
 cruciatus, Doclostaurus

- crucis**, Acheta
 Gryllus
 Gryllus (Acheta)
crudelis, Bacteria
cryptsiphona, Metrypa
cubense, Acridium
 Phasma
 Phasma (Bacteria)
 Phibalosoma
cubensis, Bacteria
 Bacteria (Pseudobacteria)
 Bacunculus
 Blabera
 Blatta
 Blatta (Phyllodromia)
 Ceuthophilus
 Chimarocephala
 Chortophaga
 Cyrtacanthacris
 Dibelona
 Epilampra
 Gonatista
 Gryllus
 Haplopus
 Locusta (Rhaphidophora)
 Mantis
 Musonia
 Nemobius
 Panchlora
 Pherterus
 Phyllodromia
 Thespis
 Tragocephala
cucullata, Capucina
 Latindia
cucullatum, Acridium (Tettix)
cucullatus, Paratettix
 Tettix
cultricornis, Copiophora
cultrifera, Aeginlia
cultriger, Gryllotalpa
cuneatus, Melanoplus
cupidineum, Derotmema
cupidus, Hippiscus (Xanthippus)
curtipenne, Xiphidium
curtipennis, Chloealetis
 Hesperotettix
 Locusta
 Locusta (Chloealetis)
 Stenobothrus
curtipennis longipennis, Stenobothrus
curtus, Melanoplus
curvicauda, Gryllus (Locusta)
 Gryllus (Pterophyllum)
 Gryllus (Tettigonia)
 Locusta
 curvicauda, Locusta (Phaneroptera)
 Phaneroptera
 Phylloptera
 Scudderia
curvidens, Brisilis
curvipes, Phanocles
cuspidata, Caulopsis
cuspidatus, Conocephalus
cuticulare, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
cyanea, Corydia (Holocompsa)
 Holocompsa
cyaneus, Gryllus
cyanipennis, Trimerotropis
cyanipes, Gryllus
 Gryllus (Locusta)
 Melanoplus
cyclops, Gryllacris
cylindrica, Acheta
 Paropomala
cylindricus, Mesops
cylindroides, Arnilia
cyllarus, Necroscia
cyphus, Bacteria
cytherea, Haplopus
dammifica, Schistocerca
dammificum, Acridium
danielis, Gongrocnemis
darienica, Anaulocomera
darienicus, Endacustes
darwini, Anaulocomera
darwini darienica, Anaulocomera
dawsoni, Melanoplus
 Pezotettix
dawsoni completus, Melanoplus
dawsoni tellustris, Melanoplus
dealbatus, Melanoplus
debilis, Gryllus
 Melanoplus
decens, Aulocara
decipiens, Anaplecta
decisus, Orophus
 Stenobothrus
decora, Orphula
 Orphulella
decorata, Periplaneta (Stylopyga)
decoratum, Microcentrum
decoratus, Tettix
decorus, Melanoplus
decussata, Stirapleura
defectus, Melanoplus
degeeri, Coccothorus
 Meroncidius
deletor, Caloptenus
 Melanoplus
delicata, Blatta

delicatula, Blatta (Phyllodromia)

Latindia

Phyllodromia

Scyllina

Stirapleura

delicatulum, Derotmema

delicatus, Cyrtoxiphus

delicatum, Orchelimum

Xiphidium

delicatus, Nemobius

deminuta, Gongrocnemis

dentatus, Gryllus (Locusta)

Peucestes

denticauda, Anaulocamera

denticus, Diapheromera

denticulatus, Ceuthophilus

Nemobius

dentifrons, Epaphrodita

dentipes, Gongrocnemis

deorum, Ageneotettix

Chrysochraon

Eremnus

deplanata, Archimandrita

Blabera

depressa, Tettigidea

derogatus, Decticus

deropeltiformis, Temnopteryx

desereta, Orphulella

determinatus, Gryllus

detersa, Blatta

devastator, Caloptenus

Melanoplus

devastator affinis, Melanoplus

devastator conspicuus, Melanoplus

devastator obscurus, Melanoplus

devastator typicalis, Melanoplus

devius, Ceuthophilus

devorator, Caloptenus

diabolica, Tropizaspis

diaphana, Blatta

Blatta (Hololampra)

Ceratinoptera

didactyla, Gryllotalpa

didactylus, Scapteriscus

differentiale, Acridium

differentialis, Caloptenus

Cyrtacanthacris

Melanoplus

Pezotettix

dilatata, Blatta

Blatta (Phyllodromia)

dimidiata, Phylloptera

Polyzosteria

Stagmomantis

diminutus, Melanoplus

diocles, Metriotes

discicollis, Blatta

discicollis, Thyrsocera

discoidalis, Blabera

Meroncidius

discoidea, Oedipoda

discoideum, Acridium (Oedipoda)

discoideus, Hippiscus

discolor, Ceuthophilus

Melanoplus

Pezotettix

discoloratus, Oecanthus

discophorus, Diyllus

dispar, Endacustes

Pyrgomorpha

dissimilis, Conocephalus

Locusta (Conocephalus)

distincta, Forficula (Forficesila)

distinguendus, Nemobius

divergens, Ceuthophilus

diversifera, Cyrtacanthacris

diversiferum, Acridium

diversus, Aphonus

Platydictylus

divisa, Ischnoptera

divisum, Microcentrum

dodgei, Caloptenus

Pezotettix

Podisma

dohrniana, Anaplecta

Latindia

Paraceratinoptera

dohrnianus, Harpagonyx

Mionyx

domestica, Acheta

Anaplecta

domesticus, Gryllus

Gryllus (Acheta)

domingensis, Blatta

Mantis

Orocharis

Stagmomantis

dorani, Stetheophyma

dorsale, Thaumnotrizon

dorsalis, Anaplecta

Atlanticus

Decticus

Locusta (Ephippigera)

Tettix

Thyreonotus

dorsuaria, Bostria

dracunculus, Phasma

druryi, Nyctobora

dryas, Bacteria

Bacunculus

dumicola, Ectemna

Melanoplus

Pezotettix

durus, Paratettix

- dux, Acridium
 Gryllus (Locusta)
 Locusta
 Locusta (Rutioderes)
 Tropidacris
 edax, Pezotettix
 Podisma
 elegans, Aeoloplus
 Clinocephalus
 Forficula
 Hormilia
 Paraeneopterus
 Paratropa
 Phylloscirtus
 elephas, Leprus
 Oedipoda (Leprus)
 elliotti, Aulocara
 Oedocara
 Stauronotus
 elliptica, Anaplecta
 elongata, Anechura
 Blatta
 Blatta (Phyllodromia)
 Forficula
 Ischnoptera
 Locusta
 Tettigidea
 elongatus, Gryllus (Tettigonia)
 Melanoplus
 emarginata, Dichopetala
 Schistocerca
 Xiphocera
 emarginatum, Acridium
 enigma, Oedaleonotus
 Pezotettix
 enigma collaris, Oedaleonotus
 enigma enigma, Oedaleonotus
 enigma jucundus, Oedaleonotus
 ensicornis, Rhytidochrota
 ensicornu, Acridium
 ensifer, Ceuthophilus
 Nemobius
 ensiferum, Xiphidium
 ensiger, Conocephalus
 Gryllus (Conocephalus)
 ephippiata, Cacopteris
 eques, Rhomalea
 eremitus, Hippiscus (Xanthippus)
 erinaceus, Nicarchus
 errabunda, Apoballa
 erythrocephala, Forficula
 Labidura
 erythromelas, Stenopelmatinus
 erythropus, Gryllus
 Gryllus (Locusta)
 esclavae, Syrbulia
 eucerata, Locusta
 eucerata, Oedipoda
 Psinidia
 eurotiae, Psoloessa
 Stirapleura
 euterpe, Gomphocerus
 evadne, Haplopus
 excellens, Microcentrum
 excelsus, Melanoplus
 excisa, Ischnoptera
 exigua, Acheta
 Anaxipha
 exiguus, Nemobius
 exilis, Apterygida
 Forficula
 exiliscanorus, Conocephalus
 exoleta, Panchlora
 expleta, Bradynotes
 extensor, Conocephalus
 extensus, Paratettix
 extremus, Caloptenus
 Melanoplus
 extremus junius, Melanoplus
 extremus scandens, Melanoplus
 falcatus, Eriolus
 fallax, Anaplecta
 Arphia
 Ectobia (Theganopteryx)
 Paratettix
 Paroecanthus
 Theganopteryx
 Trimerotropis
 fasciata, Hormilia
 Locusta
 Scudderia
 fasciatum, Orchelimum
 Xiphidium
 fasciatum saltator, Xiphidium
 fasciatus, Bliastes
 Caloptenus
 Gryllus
 Gryllus (Achetia)
 Gryllus (Locusta)
 Gryllus (Pterophyllum)
 Gryllus (Tettigonia)
 Melanoplus
 Nemobius
 Oecanthus
 Stenopelmatinus
 fasciatus curtus, Melanoplus
 fasciatus vittatus, Nemobius
 fasciatus volaticus, Melanoplus
 fascicula, Trimerotropis
 fastigiatus, Gryllus (Tettigonia)
 femorale, Acridium
 femorata, Cacopteris
 Diapheromera
 Musonia

femoratum, Acridium (Caloptenus)

Aulocara
Phasma (Bacteria)
Spectrum

femoratus, Bacunculus

Caloptenus
Caloptenus (Melanoplus)
Melanoplus
Neotettix
Tettix

femur nigrum, Melanoplus**femur rubrum, Acridium**

Acridium (Caloptenus)
Caloptenus
Caloptenus (Melanoplus)
Gryllus (Locusta)
Melanoplus
Pezotettix
Pezotettix (Melanoplus)

fenestralis, Oedipoda

Psinidia

fenestralis eucerata, Psinidia**ferox, Mantis (Stagmatoptera)**

Stagmomantis

ferruginea, Anisomorpha

Blabera
Psoloessa
Trimerotropis

ferrugineum, Phasma

Phasma (Anisomorpha)

ferruginosa, Amblytropidia**ferula, Bacteria**

Mantis
Phasma
Spectrum

ferus, Mionyx**festae, Agroecia**

Amusus
Brachyauchenus
Hisychius
Hyperbaenus
Phylloptera

festivus, Hesperotettix**filia, Petaloptera****filiforme, Phasma****filiformis, Bacteria**

Leptysmia

finoti, Phylloptera**finshiana, Eurycotis**

Polyzosteria (Platyzozeria)

fissa, Gongrocnemis

Temnopteryx

fissicollis, Zetobora**fissipes, Tridactylus**

Tridactylus (Xya)

flabellata, Anaplecta**flabellatus, Melanoplus****flabellatus, Pezotettix****flabellicornis, Mantis****flabellifer, Melanoplus****flavescens, Melanoplus****flaviceps, Ischyra****flavicornis, Gryllus****flavidus, Melanoplus****flavifrons, Aphonus****flavipennis, Chorisoneura**

Eurycotis

flavipes, Acheta

Gryllus (Acheta)

Oecanthus

flavoannulatus, Melanoplus

Pezotettix

flavocincta, Blatta

Ectobia

flavofasciatum, Acridium

Boopedon

flavolineata, Osmilia**flavolineatum, Acridium (Osmilia)****flavolineatus, Caloptenus****flavomarginata, Clinopleura****flavosignata, Nautia****flavovittata, Locusta****flavovittatum, Acridium****flavus, Gryllus****floridana, Callimantis**

Paroxya

Periplaneta

floridana texana, Paroxya**floridanus, Caloptenus****fluctuosus, Tettix****fluviatilis, Melanoplus****foedus, Melanoplus****fontana, Trimerotropis****foraminatus, Paroecanthus****forceps, Chloroscirtus**

Phyllodromia

forcepata, Scudderia**forcepatus, Grylloides****forfex, Spongophora****formicarum, Myrmecophila****formosa, Cyrtolopha****formosus, Gryllus**

Oecanthus

Tropidolophus

forreriana, Hemiudeopsylla**franciscanus, Melanoplus****fratellus, Conocephalus****frater, Conocephalus****fratercula, Trimerotropis****fraterna, Acontista**

Blabera

Blatta

Panchlora

Rhipipteryx

fraterna, Stagmomantis
fraterna rufescens, Rhipipteryx
fraternus, Cocconotus
frey-gesneri, Paratettix
frigida, Arphia
 Oedipoda (Arphia)
frontale, Acridium
frontalis, Hesperotettix
fronticornis, Empusa
frutetorum, Ischyra
fulgida, Anaplecta
fuliginosa, Kakkerlac
 Locusta
 Periplaneta
fuliginosus, Capnobotes
 Gryllus (Acheta)
fumigata, Blabera
 Blatta
 Byrsotria
fumosa, Xeropteryx
fumosus, Thrinacorynx
fungicola, Attophila
furcata, Anaulocomera
 Scudderia
furcata fasciata, Scudderia
furcatum, Idiarthron
furcatus, Melanoplus
furcifera, Scudderia
furenlata, Scudderia
fusca, Blabera
 Locusta (Xiphidium)
fuscata, Mantis
fuscifrons, Aphidna
 Metobregma
 Psinidia
 Psinidia (Trachyrachis)
 Trachyrachis
fuscinervis, Conocephalus
fuscipes, Melanoplus
 Oecanthus
fuscopictus, Nichelius
fuscopunctata, Cacopteris
fuscostratus, Conocephalus
fuscovittata, Syrbula
fuscum, Stetheophyma
fuscus, Meroncidius
 Stenopelmatus
fusiforme, Netrosoma
fusiformis, Ceuthophilus
 Orocharis
zagatina, Forficula
 Labidura
 Psalis
zaumeri, Anchiptolis
 Orocharis
gemmata, Mantis
genicularis, Hemiudeopsylla

geniculatus, Melanoplus
germanica, Blatta
 Ectobia
 Phyllodromia
gibbera, Mazentia
gibbosus, Atlanticus
 Lactista
 Tettix
gigantea, Blabera
 Blatta
 Blatta (Blabera)
 Daihinia
 Forficesila
 Forficula (Labidura)
 Rhomalea
 Tryxalis
 Udeopsylla
giganteum, Acridium (Rhomalea)
giganteus, Gryllus (Acrida)
 Gryllus (Tryxalis)
gigas, Acheta
 Diapherodes
 Gryllus
 Gryllus (Acheta)
 Gryllus (Mantis)
 Mantis
 Phasma (Diapherodes)
gigliotosi, Leptotettix
gillettei, Melanoplus
glaberrima, Locusta (Xiphidium)
glaberrimum, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
glacialis, Pezotettix
 Podisma
gladiator, Conocephalus
 Orchelimum
 Xiphidium
gladstoni, Melanoplus
glauca, Locusta (Xiphidium)
glaucipennis, Leprus
glaucipes, Caloptenus
 Melanoplus
glaucum, Orchelimum
globosus, Cocconotus
godmani, Acanthops
gongylodes, Empusa
 Gryllus
 Gryllus (Mantis)
 Mantis
gossypii, Orchelimum
 Xiphidium
gracile, Glaphyrosoma
 Orchelimum
 Stetheophyma
gracilingum, Xiphidium
gracilipes, Arethaea

- gracilipes*, *Caloptenus*
Ceuthophilus
Ephippitytha
Melanoplus
Phalangopsis
Rhaphidophora
gracilis, *Arcyptera*
Caulopsis
Conozoa
Hadrotettix
Ischnomela
Mecostethus
Melanoplus
Napaia
Oedipoda
Pezotettix
Stenobothrus
Trimerotropis
gracillima, *Hornilia*
grallator, *Aegipan*
graminis, *Oligonyx*
Thesprotia
grandis, *Amphiacustes*
Ceuthophilus
granulata, *Arphia*
Hemibladera
granulatum, *Acridium*
Acridium (*Tetrix*)
granulatus, *Tettix*
gratiosa, *Trimerotropis*
gravidula, *Apterygida*
Labia
gregarius, *Plectrophorus*
Stenobothrus
Stenobothrus (*Rhammatocerus*)
grisea, *Gonatista*
griseus, *Caloptenus*
Hippiscus (*Xanthippus*)
Melanoplus
grylloides, *Eneoptera*
Gryllus
Gryllus (*Acheta*)
Gryllus (*Eneoptera*)
Orocharis
gryllotalpa, *Acheta*
Gryllus
Gryllus (*Acheta*)
gryps, *Harpagonyx*
guadeloupensis, *Acheta*
Grylloides
Gryllus
Gryllus (*Acheta*)
guatemalae, *Amblycorypha*
Heliastus
Paroecanthus
Stenopelmatus
Temnopteryx
gualtemaltēca, *Tettigidea*
guerini, *Lamponius*
Pygrrhynchus
gueriniiana, *Pseudomops*
Thyrsochera
gulosa, *Ancistrogaster*
gundlachi, *Cyrtoxiphus*
Erechthis
Mastax
Masyntes
Nemobiopsis
Pseudancistrus
Subria
guttata, *Blatta*
Echinopsalis
Labia
Locusta (*Conocephalus*)
guttatus, *Conocephalus*
guttipennis, *Zetobora*
guttulata, *Philophyllia*
haematopus, *Gryllus*
Gryllus (*Locusta*)
haita, *Bacteria*
Bacunculus
haitensis, *Gryllacris*
Oedipoda
Oedipoda (*Sphingonotus*)
Sphingonotus
haldemanni, *Anabrus*
Hippiscus
Oedipoda
Orchesticus
Pterolepis
Stipator
Thyreonotus
hamata, *Pyrgocorypha*
Scaria
hamatus, *Conocephalus*
hancoeki, *Tettix*
harrisii, *Tettix*
hastatus, *Nemobius*
haydeni, *Cosmorhyssa*
Derotmema
Oedipoda
hebes, *Conocephalus*
helluo, *Caloptenus*
Melanoplus
Pezotettix
hemipterum, *Acridium*
henshawii, *Ceuthophilus*
herbaceum, *Orchelimum*
herbaceus, *Melanoplus*
hermani, *Idiostatus*
Steiroxys
heros, *Ceuthophilus*
Metrypa
hesperus, *Paratettix*

heterogamia, Stagmomantis

heteropus, Conocephalus

hexadactyla, Gryllotalpa

Gryllotalpa (Curtilla)

hirtipes, Acrolophitus

Gryllus

hispidus, Bradynotes

hispidus, Pezotettix

histrio, Paratropa

Pseudophyllodromia

Sphenarium

Stenopelmatus

Tridactylus

Tridactylus (Heteropus)

histrionicus, Tridactylus

Tridactylus (Heteropus)

hoegelii, Phrixia

Tanusia

hoffmanii, Oedipoda

holosericea, Nyctobora

hoosieri, Paroxya

Pezotettix

hospes, Acheta

Gryllus

huasteca (Acheta)

huasteca, Amblycorypha

Phylloptera (Orophus)

huastecae, Trimerotropis

huastecus, Orophus

humilis, Acanthodis

humphreysii, Melanoplus

Pezotettix

huroni, Melanoplus

hyalinus, Ischnoptera

Macromantis

Mantis

Mantis (Photina)

Panchlora

Trimerotropis (Agonozoa)

hyalinum, Mestobregma

hydrocephalus, Stenopelmatus

hydrodroma, Rhipipteryx

ictericum, Sphenarium

ictum, Xiphidium

ignobilis, Ischnoptera

illepida, Proscratea

illinoensis, Platamodes

Tridactylus

imhoffiana, Acanthodis (Calamoptera)

Calamoptera

imitator, Cyrtoxiphus

immunis, Melanoplus

Meronicidius

impennus, Ancistrogaster

imperfectus, Capnobotes

imperialis, Tropidacris

impiger, Melanoplus

impudicus, Melanoplus

inaequalis, Ischnoptera

inca, Ischnoptera

incerta, Gongrocnemis

incertus, Tridactylus

incisa, Blatta

Cycloptera

incisus, Melanoplus

inclarata, Xiphocera

inclusa, Periplaneta

incommoda, Apocerycta

inconstans, Anchiptolis

incultus, Melanoplus

incurvatus, Tettix

incurvum, Idiarthron

incurvus, Meronicidius

indianense, Orchelimum

Xiphidium

indica, Blatta

Loboptera

Panchlora

indigenus, Melanoplus

indistinctus, Meronicidius

inermis, Orchelimum

Xiphidium

Xiphidium (Orchelimum)

inermis, Cacopteris

Pyrgocorypha

inermis, Lactista

infantilis, Melanoplus

infernalis, Arphia

infirmus, Thydrus

inflatus, Tettix

infusca, Chimarocephala

Chortophaga

Locusta (Tragocephala)

Pseudomiopteryx

Tragocephala

infuscatus, Conocephalus

Gomphocerus

ingens, Agymnastus

Eurycotis

Leprus

Platyzosteria

Polyzosteria

Xanthippus

inopinata, Ancistrogaster

inops, Melanoplus

inornatus, Melanoplus

inquinata, Mantis

inquinatus, Ceuthophilus

inscripta, Cyrtacanthacris

Schistocera

inscriptum, Acridium

insulana, Dellia

insularis, Blatta

- insularis, *Cyrtoxiphus*
 Eneoptera
 Epilampra
 Gryllus
 Pseudophyllanax
 intacta, *Phylloptera*
 integra, *Anconia*
 intercepta, *Blatta*
 Blatta (*Ectobia*)
 interior, *Melanoplus*
 Trimerotropis
 intermedia, *Gryllotalpa*
 Gryllotalpa (*Curtilla*)
 Hormilia
 Rhipipteryx
 internedius, *Leprus*
 Melanoplus
 intertexta, *Mermiria*
 irregularis, *Hyperphrona*
 Stenopelmatus
 irrorata, *Mantis*
 irroratus, *Apithes*
 Gryllus (*Mantis*)
 islandicus, *Melanoplus*
 jalapa, *Tettigidea*
 jamaicensis, *Phasma*
 Phasma (*Platycrana*)
 jamaicensis, *Haplopus*
 Mantis
 Neortus
 Platycrana
 Sphingonotus
 janeirensis, *Anisolabis*
 jansoni, *Anaplecta*
 Cylindrogaster
 Diatryp
 Diplatys
 jocosieluna, *Anisopygia*
 jucundus, *Oedaleonotus*
 Pezotettix
 juliana, *Trimerotropis*
 junius, *Caloptenus*
 Melanoplus
 Pezotettix
 juvenus, *Melanoplus*
 kakkerlac, *Blatta*
 karschi, *Disceratus*
 kaupiana, *Temnapteryx*
 keeleri, *Caloptenus*
 Melanoplus
 kennicottii, *Melanoplus*
 kiowa, *Mestobregma*
 Oedipoda
 Psinidia
 Psinidia (*Trachyrachis*)
 Trachyrachis
 kirschianus, *Amusus*
 koebelei, *Conozoa*
 Trimerotropis
 krugi, *Apithes*
 Liphoplus
 • *Orochirus*
 Plectoptera
 laciniatus, *Ceroys*
 lactea, *Panchlora*
 laetum, *Philobostroma*
 laetus, *Stenobothrus*
 laevigata, *Blatta*
 Blatta (*Panchlora*)
 Nauphoeta
 • *Phoetalia*
 laevis, *Perixerus*
 lakinus, *Melanoplus*
 • *Pezotettix*
 lamellatus, *Gryllus* (*Tettigonia*)
 lamellosus, *Gryllus* (*Tettigonia*)
 laminata, *Homalopteryx*
 Rhcnoda
 lanceolatus, *Panchlora*
 lanceolata, *Locusta*
 lanceolatum, *Microcentrum*
 Xiphidium
 lancifolius, *Scopiorus*
 lapidicola, *Ceuthophilus*
 Circotettix
 Locusta (*Rhaphidophora*)
 Phalangopsis
 Rhaphidophora
 lapponica, *Ectobia*
 larreae, *Clematodes*
 lata, *Ischnoptera*
 latebricola, *Ceuthophilus*
 latens, *Ceuthophilus*
 laterale, *Acridium*
 Phasma
 lateralis, *Anaplecta*
 Gryllus
 Gryllus (*Locusta*)
 Pamphagus
 Tettigidea
 Tettix
 lateritius, *Hippiscus*
 Hippiscus (*Xanthippus*)
 Xanthippus
 latibuli, *Ceuthophilus*
 laticauda, *Anaulocomera*
 Orchelimum
 Scudder
 Xiphidium (*Orchelimum*)
 laticauda strigata, *Scudder*
 laticeps, *Conocephalus*
 laticincta, *Trimerotropis*
 laticinctum, *Derotmema*
 laticollis, *Thyrsochera*

- latifasciata, Trimerotropis
 latifasciatus, Hippiscus (Xanthippus)
 latimargo, Blatta
 latipennis, Amaura
 Cyrtoxiphus
 Hormilia
 Locusta
 Mantis
 Mantis (Stagmatoptera)
 Oecanthus
 Oedipoda
 Panchlora
 Peucestes
 Phyllopalpus
 Stagmomantis
 latipes, Ceuthophilus
 latisulcus, Ceuthophilus
 lativertex, Anaulocomera
 latreillei, Acridium
 laurifolia, Locusta
 Locusta (Phylloptera)
 Phyllomantis
 Phylloptera
 • laurifolium, Microcentrum
 laurifolius, Gryllus
 Gryllus (Locusta)
 Gryllus (Tettigonia)
 Orophus
 lauta, Trimerotropis
 legumen, Lobophyllus
 Phylloptera (Lobophyllus)
 lentiginosum, Derotmema (Tmetodera)
 lepidus, Melanoplus
 leprosus, Hippiscus
 Hippiscus (Xanthippus)
 Xanthippus
 lessonae, Stenopelmatus
 leucocerca, Syrphula
 leucogramma, Phoraspis
 leucostoma, Acridium (Locusta)
 Locusta
 lherminieri, Psalidophora
 Spongophora
 lichenosum, Derotmema (Tmetodera)
 ligia, Haplopus
 ligneolus, Melanoplus
 limbata, Blabera
 Mantis
 Rhipipteryx
 Stagmomantis
 Tennopteryx
 lineare, Phasma (Bacteria)
 linearis, Bacteria
 • Bacunculus
 Clonistria
 Mantis
 lineata, Arcyptera
 Pseudischinoptera
 Schistocerca
 lineaticeps, Gryllus
 lineatifrons, Bliastes
 lineativentris, Mionyx
 Musonia
 lineatum, Stetheophyma
 lineatus, Gryllodes
 Gryllus
 Hippiscus
 Mecostethus
 lineolata, Blatta
 lithophila, Ectobia
 liturata, Polyzosteria (Platyzosteria)
 lituratus, Paroecanthus
 Platydictylus
 liturifera, Blatta
 livida, Blatta
 lobatus, Circotettix
 lobipes, Parastagmatoptera
 longelaminatus, Bliastes
 longicauda, Xiphidium
 longiceps, Pseudobacteria
 longicollis, Pseudovates
 Vates
 longicornis, Pezotettix
 Podisma
 longipenne, Dactyloptum
 Orchelimum
 Xiphidium
 longipennis, Dendrotettix
 Dissosteira
 Eriolus
 Gryllacris
 Gryllotalpa
 Nemobius
 Oedipoda
 Oedipoda (Dissosteira)
 Stenobothrus
 longipennis quercus, Dendrotettix
 longipes, Phalangopsis
 longispina, Stenopelmatus
 longissima, Forficula
 longiuscula, Gryllacris
 luctuosa, Acheta
 Ancistrogaster
 Blabera
 luctuosus, Gryllus
 luggeri, Tettix
 lugubris, Forficula
 lurida, Metrypa
 Tafalisca
 luridescens, Acridium
 luridum, Platyphyllum
 luridus, Calopterus
 Gryllus

- uridus, *Melanoplus*
 utea, *Ceratinoptera*
 luteipennis, *Apterygida*
 luteola, *Achroblatta*
 Arphia
 lycosoides, *Stenopelmatus*
 lyrata, *Phantasis*
 macilentus, *Aphonus* (*Stenaphonus*)
 Cyrtoxiphus
 Stenaphonus
 macneilli, *Apithes*
 macrocera, *Acanthodis*
 macropterus, *Conocephalus*
 maculata, *Gryllacris*
 Phalangopsis
 Rhaphidophora
 Tytthotyle
 maculatipennis, *Rhodopteryx*
 maculatus, *Ceuthophilus*
 Circotettix
 Gryllus (*Ephippigera*)
 Hippiscus (*Xanthippus*)
 Nemobius
 Thrincus
 maculipenne, *Acrocara*
 maculipennis, *Mermiria*
 Orphula
 Phaeoparia
 Psoloessa
 Stenobothrus
 maculipennis propinquans, *Orphul-*
 lella
 maculosa, *Psinidia* (*Trachyrachis*)
 Trachyrachis
 maculosum, *Mestobregma*
 maderae, *Blabera*
 Blatta
 Blatta (*Panchlora*)
 Leucophaea
 Panchlora
 Rhyparobia
 magna, *Brachystola*
 Eremobia
 Paramastax
 magnifica, *Phoebolampta*
 magnus, *Blachypeplus*
 major, *Blatta*
 Gryllotalpa
 Gryllotalpa (*Curtilla*)
 Temnopteryx
 malivolans, *Conocephalus*
 manca, *Hemiblabera*
 Podisma
 mancus, *Melanoplus*
 Pezotettix
 mantispa, *Thysdus*
 marci, *Dictyophorus*
 marci, *Rhomalea*
 marculentus, *Melanoplus*
 marginalis, *Pelmatosilpha*
 Sisapona
 marginata, *Acheta*
 Ischnoptera
 Mantis
 Rhipipteryx
 Temnopteryx
 marginatum, *Acridium*
 marginatus, *Melanoplus*
 Nannotettix
 Nemobius
 Pezotettix
 marginatus amplus, *Melanoplus*
 marginatus pauper, *Melanoplus*
 marginella, *Stilpnochlora*
 marginicollis, *Acridium* (*Opomala*)
 marginicollis, *Leptysmia*
 Opomala
 maritima, *Anisolabis*
 Brachylabis
 Forcinella
 Locusta
 Oedipoda
 Trimerotropis
 Trimerotropis (*Agonozoa*)
 maritima interior, *Trimerotropis*
 marmorata, *Archimandrita*
 Blabera
 Diastrammena
 Dissosteira (*Scirtetica*)
 Locusta
 Mimetica
 Oedipoda
 Psinidia
 Scirtetica
 Tetragomera
 marmoratus, *Cecentromenus*
 Hippiscus (*Stictippus*)
 Larandus
 marshallii, *Pezotettix*
 Podisma
 martinicum, *Microcentrum*
 martinii, *Paragryllus*
 maxillaris, *Orocharis*
 maxillosa, *Locusta*
 maxillosus, *Conocephalus*
 Gryllus (*Locusta*)
 Gryllus (*Tettigonia*)
 maximiliani, *Pseudophyllodromia*
 Zetobora
 Zetobora (*Phortioeca*)
 maya, *Blatta*
 Harpagonyx
 Liturgousa
 Mantoida

maya, Orocharis

Phrixia

Schistocerca

Stagnomantis

Theoclytes

megacephala, Eupnigodes

Pnigodes

megacephalus, Pezotettix

melancholica, Labia

melanopleura, Clinopleura

Steiroxys

Stenobothrus

melanoptera, Locusta

Trimerotropis

melanopterus, Gryllus (Tettigonia)

mellea, Schistocerca

melleus, Nemobius

membranacea, Acheta

membranaceus, Gryllus (Acheta)

menius, Phasma

meridionalis, Ceuthophilus

Hesperotettix

Melanoplus

Orocharis

meroncidoides, Cocconotus

mexicana, Acanthodis

Acontista

Agrytes

Ameles

Ameles (Yersinia)

Anaplecta

Anchiptolis

Apepsia

Arnilia

Bacteria

Blabera

Blattā

Blatta (Phyllodromia)

Copiophora

Daihinia

Dichopetala

Ectemna

Epilampra

Epilampra (Planes)

Eurycotis

Gryllotalpa

Heterogamia

Heteronemia

Homoeogamia

Ischnoptera

Labia

Latindia

Leptysma

Machaerocera

Mantis (Cardioptera)

Nyctobora

Oedipoda

mexicana, Onmatolampis

Opomala

Orphula

Panchlora

Paragenes

Paratropa

Phaneroptera

Phoraspis

Phylloptera (Orophus)

Podisnia

Polyphaga

Polyphaga (Homoeogamia)

Polyzosteria

Polyzosteria (Platyzosteria)

Prosthacusta

Pseudomops

Psinidia (Trachyrachis)

Rhipipteryx

Schistocerca

Scudderia

Sernyle

Theoclytes

Thyrrocera

Trachyrachis

Turpilia

Yersinia

mexicana insularis, Epilampra

mexicanum, Glaphyrosoma

Ichthydion

Mestobregma

Phasma (Bacteria)

Platyphyma

Sphenarium

Xiphidium

mexicanus, Acanthoderus

Acanthops

Annus

Caloptenus

Ceroys

Ceuthophilus

Conocephalus

Dichroplus

Eriolus

Euseirtus

Gryllus

Gryllus (Gryllotalpa)

Liphoplus

Meroncidius

Nemobius

Oligonyx

Orocharis

Orophus

Oxycoryphus

Paradichroplus

Paratettix

Paeoecanthus

Pezotettix

mexicanus, *Prisopus*

Scapteriscus

Schoenobates

Stenobothrus

Stenopelmatus

Tettix

Thysdrus

Tomonotus

micans, *Plectoptera*

micromegas, *Gryllodes*

Gryllus

Miogryllus

microptera, *Rhomalea*

micropterum, *Acridium*

Acridium (*Rhomalea*)

Phasma (*Haplopus*)

micropterus, *Dictyophorus*

Haplopus

microspila, *Epilampra*

migratorius, *Pachytylus*

miguelitana, *Conalcaea*

milberti, *Acridium*

Cyrtacanthacris

miles, *Gryllus* (*Locusta*)

Locusta (*Rutioderes*)

Rhomalea

miliaris, *Gryllus*

Gryllus (*Locusta*)

militaris, *Melanoplus*

minica, *Paraidemona*

minimus, *Heliastus*

minor, *Blabera*

Caloptenus

Forficula

Labia

Litaneutria

Melanoplus

Orchelimum

Stagmatoptera

Stagmomantis

Stenopelmatus

minuta, *Acheta*

Labia

Mantis

Miopteryx

minutipennis, *Pezotettix*

minutus, *Anabrus*

Drepanoxiphus

Gryllus (*Acheta*)

Orchesticus

Pterolepis

Stipator

Tridactylus

Tridactylus (*Heteropus*)

miranda, *Angela*

missionum, *Melanoplus*

missouriensis, *Mantis*

mixta, *Xya*

mixtus, *Tridactylus*

Tridactylus (*Xya*)

modesta, *Symmetropleura*

Trimerotropis

modestum, *Xiphidium*

modestus, *Cocconotus*

Podoscirtus

monoceros, *Copiophora*

monstrosa, *Cyphoderris*

monstrosus, *Dracotettix*

Gryllus (*Acheta*)

montana, *Bradynotes*

Championica

Oedipoda

Stagmomantis

Trimerotropis

montanum, *Platyphyma*

montanus, *Apithes*

Asemoplus

Hesperotettix

Hippiscus

Hippiscus (*Xanthippus*)

Melanoplus

Thamnoscirtus

montezuma, *Oxycoryphus*

Panchlora

Syrbula

monticola, *Melanoplus*

Trimerotropis

monticola huastecae, *Trimerotropis*

monticollis, *Teratodes*

morbillosus, *Gryllus* (*Locusta*)

mordelloides, *Euthyrrapha*

morio, *Chelisoches*

moristoides, *Bliastes*

mormonius, *Nemobius*

morsei, *Tettix*

mortuifolia, *Mimetica*

mucronata, *Copiophora*

mucronatus, *Scopiorus*

multicolor, *Acontista*

multiramosa, *Arethaea*

multivenosa, *Chorisoneura*

munda, *Gongrocnemis*

mundus, *Hadrotettix*

musarum, *Epaphrodita*

Locusta

Locusta (*Acanthodis*)

Mantis

Mantis (*Epaphrodita*)

Mantis (*Harpax*)

Mantis (*Stagmatoptera*)

musicus, *Orochirus*

muta, *Metrypa*

mutica, *Gongrocnemis*

muticus, *Anurogryllus*

- muticus, Conocephalus
 Gryllodes
 Lichenochrus
 Scopiorus
 myrtifolia, Locusta
 Phylloptera
 myrtifolius, Gryllus (Locusta)
 Gryllus (Phylloptera)
 mysteca, Blatta
 Blatta (Ectobia)
 Chorisonaura
 Eurycotis
 Periplaneta
 Polyzosteria
 mystecus, Stenobothrus
 Stenobothrus (Rhammatocerus)
 nahua, Anaplecta
 Blatta
 Ischnoptera
 Paraceratinoptera
 Phyllodromia
 Stagnomantis
 nana, Ischnoptera
 nanus, Hippiscus
 Melanoplus
 nasuta, Phrixia
 Tryxalis
 navicula, Eritettix
 Gomphocerus
 nebrascensis, Conocephalus
 Dissosteira
 Euprepodnemis
 Myrmecophila
 Oedipoda
 Pezotettix
 Phoetaliotes
 nebrascensis nebrascensis, Phoetaliotes
 nebrascensis volucris, Phoetaliotes
 nebulosa, Locusta
 Oedipoda
 nebulosus, Hadrotettix
 necessarius, Conocephalus
 neglecta, Arphia
 Oedipoda
 Orphulella
 neglectus, Ceuthophilus
 Gryllus
 Hippiscus
 Hippiscus (Xanthippus)
 Xanthippus
 nehawkae, Myrmecophila
 nemorale, Xiphidium
 neomexicana, Conalcaea
 Merniria
 Opomala
 neomexicanus, Ceuthophilus
 neomexicanus; Nemobius
 nevadensis, Cacopteris
 Pedioscirtetes
 nicaraguae, Macromantis
 Tettigidea
 nietana, Arphia
 nietanus, Tomonotus
 nietoi, Conocephalus
 Stenopelmatus
 niger, Ceuthophilus
 Gryllus
 Paroecanthus
 nigra, Acheta
 Perisphaeria
 Tettigidea
 Udeopsylla
 nigrescens, Caloptenus
 Melanoplus
 Pezotettix
 nigricans, Ceuthophilus
 nigricollis, Ischnoptera
 nigricornis, Oecanthus
 nigridens, Scopiorus
 nigrina, Sparatta
 nigripes, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
 nigrispina, Liparoscelis
 nigriventris, Panchlora
 nigrolimbatus, Conocephalus
 nigronotatus, Leptotettix
 nigropleura, Netrosona
 Xiphidium
 nigropunctatus, Conocephalus
 nigrospinosa, Gongrocnemis
 nigrostriolatus, Scopiorus
 nigrovarius, Phyllopalpus
 Phylloscirtus
 nigrovittatus, Pezotettix
 Philocleon
 nigrum, Boopedon
 nitida, Temnapteryx
 nitidula, Euthyrrapha
 nitidum, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
 nitidus, Lichenochrus
 Melanoplus
 Tetanopus
 nivea, Acheta
 Acheta (Oecanthus)
 Blatta
 Panchlora
 niveus, Gryllus
 Gryllus (Achetia)
 Gryllus (Oecanthus)
 Oecanthus

- nobilis, Stenobothrus
 nodifrons, Locusta (Conocephalus)
 nodulosus, Ceuthophilus
 nortoniana, Ischnoptera
 notabilis, Apote
 notata, Phyllodromia
 notatus, Ateloplus
 Orophus
 notochlora, Metaleptea (Tryxalis)
 Tryxalis
 nubicola, Podisma
 nubila, Microtes
 Trimerotropis
 nubilum, Boopedon
 nubilus, Gryllus
 nudus, Asemoplus
 Pezotettix
 obesa, Bradynotes
 Paxilla
 Tettigidea
 obesus, Pezotettix
 obiona, Cannula
 Chimarocephala
 Tragocephala
 obionus, Stenobothrus
 obliquata, Orphulella
 Schistocerca
 obliterated, Dissosteira
 Oedipoda
 obliteratedum, Acridium (Oedipoda)
 oblongata, Blatta
 Pseudomops
 Thyrsochera
 oblongifolia, Amblycorypha
 Locusta
 Locusta (Phylloptera)
 Phylloptera
 Phylloptera (Amblycorypha)
 oblongifolius, Gryllus (Pterophyllum)
 Gryllus (Tettigonia)
 Orophus
 oblongooculata, Turpilia
 obovatipennis, Melanoplus
 Pezotettix
 obscura, Leptysma
 Litaneutria
 Macneillia
 Opeia
 Schistocerca
 Trimerotropis
 obscurellus, Conocephalus
 obscurum, Acridium
 Chrysoclaeon
 Pedeticum
 obscurus, Gryllus
 Hippiscus (Kanthippus)
 Melanoplus
- obscurus, Oxycoryphus
 Pycnoscelus
 Tettix
 obsoletum, Acridium
 obtusa, Anepsia
 Harpephora
 Locusta (Conocephalus)
 obtusangula, Turpilia
 obtusus, Conocephalus
 occidentalis, Amblytropidia
 Blatta
 Caloptenus
 Capnobotes
 Circotettix
 Conocephalus
 Eurycotis
 Gryllus
 Ischnoptera
 Locusta
 Melanoplus
 Mogisoplistus
 Mogoplistes
 Oedipoda
 Periplaneta
 Periplaneta (Stylopyga)
 Pezotettix
 Scirtetica
 Sinipta
 Stenobothrus
 Stenobothrus (Rhammatocerus)
 occipitalis, Alpha
 Ochrlidia
 Oxycoryphus
 Stenobothrus
 occultus, Ceuthophilus,
 ocellaris, Orocharis
 ocellata, Locusta
 ocellatus, Gryllus
 Gryllus (Tettigonia)
 ocelote, Hippiscus
 Oedipoda (Hippiscus)
 ochracea, Tanusia
 ocularis, Litaneutria
 Turpilia
 oculatum, Spharagemon
 oculatus, Aeoloplus
 Stenopelmatus
 ohrtmanni, Phasma
 olivacea, Campylacantha
 Orphula
 Orphula (Orphulella)
 Orphulella
 olivaceum, Acridium
 olivaceus, Anniceris
 Melanoplus
 Pezotettix
 Stenobothrus

- olmeca, Bacteria (Bacunculus)
 Ceratinoptera
 olmecus, Cyrtoxiphus
 Ectotrypus
 Paroecanthus
 opaca, Eurycotis
 Platzosteria
 Polyzosteria
 Polyzosteria (Platzosteria)
 Turpilia
 opimus, Bradynotes
 oratoria, Mantis
 oregonensis, Myrmecophila
 Pezotettix
 Podisma
 Stenobothrus
 oridiops, Turpilia
 orientalis, Blatta
 Blatta (Kakkerlac)
 Blatta (Stylopyga)
 Kakkerlac
 Opisthoplatia
 Periplaneta
 Periplaneta (Stylopyga)
 Stylopyga
 orizabae, Blatta
 Blatta (Phyllodromia)
 Orphula
 Tomonotus
 ornata, Stenopleura
 ornatum, Acridium
 ornatus, Amphitornus
 Doclostaurus
 Tettix
 ornatus triangularis, Tettix
 otomaria, Phylloptera (Orophus)
 otomarius, Orophus
 otomia, Anaplecta
 Blatta
 Temnopteryx
 otomita, Chimarocephala
 otomitus, Tomonotus
 otomium, Microcentrum
 ovalifolia, Macromantis
 Phylloptera
 ovalifolia nicaraguae, Macromantis
 ovata, Anepsia
 Paragenes
 Tropizaspis
 ovateps, Arphia
 oxycephalum Acridium (Tettix)
 oxycephalus, Gryllus (Tettigonia)
 Tettix
 pachymera, Locusta (Ephippigera)
 pachymerus, Atlanticus
 Decticus
 Pterolepis
 pachymerus, Thyreonotus
 pacifica, Chimarocephala
 Litaneutria
 Tragocephala
 Trimerotropis
 pacificus, Ceuthophilus
 Hesperotettix
 Melanoplus
 Pezotettix
 packardii, Melanoplus
 packardii rufipes, Melanoplus
 pallens, Acridium
 Acridium (Schistocerca)
 Schistocerca
 pallescens, Ceuthophilus
 pallida, Nauphoeta
 pallidespinosa, Gongrocnemis
 pallidicornis, Autolyca
 pallidipalpus, Decticus
 Steiroxys
 pallidipennis, Oedipoda
 pallidispina, Liparoscelsis
 pallidum, Microcentrum
 pallidus, Ceuthophilus
 Encoptolophus
 Gryllus
 pallipes, Licodia
 palmeri, Ceuthophilus
 Melanoplus
 Rhabdotettix
 palustris, Conocephalus
 Nemobius
 panamensis, Ancistrogaster
 panethoides, Polyzosteria
 pantherina, Phoraspis
 Stenovates
 pantherinum, Acridium
 pantherinus, Hippiscus
 Pocciotettix
 paradoxa, Oedipoda
 paradoxus, Hippiscus
 Hippiscus (Xanthippus)
 paraensis, Vates
 parallela, Blatta
 Forficula
 Psilidophora
 Spongophora
 parallelum, Aulocara
 pardalina, Oedipoda
 Psinidia (Trachyrachis)
 Trachyrachis
 pardalinum, Mestobregma
 pardalinus, Hippiscus (Xanthippus)
 Xanthippus
 parilis, Gryllus
 paronae, Scudderia
 paroxyoides, Melanoplus

- parva, Mantis
 Mantis (Thespis) •
 Thespis
 parviceps, Oedipoda
 parvipennis, Amblycorypha
 Anaplecta
 Gryllodes
 Tettigidea
 Tettix
 parvipennis pennata, Tettigidea
 parvula, Gryllacris
 Ischnoptera
 Tettigidea
 parvulus, Cephalotettix
 parvum, Philobostroma
 parvus, Caloptenus
 Caloptenus (Melanoplus)
 Encyrtolophus
 Melanoplus
 Nomotettix
 patriae, Plectrotettix
 patula, Zetobora
 pauper, Melanoplus
 pectinata, Mantis
 Pseudovates
 Vates
 pectinicornis, Empusa
 Mantis
 Pseudovates
 Theoclytes
 Vates
 pectorale, Acridium
 pectoralis, Cyrtacanthacris
 pedes, Rhomalea
 pelidna, Orphula
 Orphulella
 pelidnum, Acridium (Gomphocerus)
 pelidnus, Gomphocerus
 Stenobothrus
 pellepidus, Lactista
 pellucida, Blatta
 Blatta (Ectobia)
 Camnula
 Chorisoneura
 Oedipoda
 Oedipoda (Camnula)
 pellucida obiona, Camnula
 pelvimetra, Sparatta
 pelvimetra rufina, Sparatta
 peninsulae, Barytettix
 pennata, Tettigidea
 pennicornis, Empusa
 pennsylvanica, Acheta
 Blatta
 Ischnoptera
 Platanodes •
 pennsylvanicus, Gryllus
- pennsylvanicus neglectus, Gryllus
 peraccae, Ceraia
 percheroni, Apterygida
 Forficula
 peregrina, Schistocerca
 Schistocerca (Acridium)
 peregrinum, Acridium
 Acridium (Schistocerca)
 pergandei, Myrmecophila
 periscelidis, Locusta
 perplexa, Trimerotropis
 perplexus, Circotettix
 perpulchra, Angela
 personatus, Gryllus
 • perspicillata, Locusta
 Locusta (Acanthodis)
 Locusta (Cyrtophyllus)
 • perspicillatum, Platyphyllum
 perspicillatus, Cyrtophyllus
 Diophanes
 Gryllus
 Gryllus (Locusta)
 Gryllus (Tettigonia)
 peruana, Panchlora
 peruvianus, Paratettix
 petiveriana, Blatta
 phalangium, Aegipan
 Amphiacustes
 Arethaea
 phoenicoptera, Oedipoda
 Oedipoda (Hippiscus)
 phoenicopterum, Acridium (Oedi-
 poda) •
 phoenicopterus, Hippiscus •
 phoetaliotiformis, Melanoplus •
 phoraspoides, Zetobora
 phryganoides, Dendromantis
 Mantis
 phthisica, Hormilia
 Mantis
 phthisicus, Gryllus (Mantis)
 Stenogryllus
 piceifrons, Acridium
 pichinchae, Conocephalus
 picta, Dissosteira (Scirtetica)
 Gryllacris
 Oedipoda
 Plectoptera
 Scirtetica
 Trimerotropis
 picticornis, Caloptenus (Hespero-
 tettix)
 Dictyophorus
 Poecilotettix
 Rhomalea
 Taenioptoda
 pictipennis, Euacris

- pictum, Dactylotum
 Phlibostroma
 picturata, Orphulella
 Tropizaspis
 pictus, Cyrtoxiphus
 Melanoplus
 Nemobius
 Pezotettix
 Pezotettix (Dactylotum)
 Stenopelmatus
 pilatus, Melanoplus
 pilosa, Paraidemona
 Trimerotropis
 pilosus, Orochirus
 Pezotettix
 Rhabdotettix
 pinctus, Melanoplus
 pinguis, Bradynotes
 Ceuthophilus
 pini, Oecanthus
 pisifolia, Phylloptera
 Phylloptera (Diplophyllus)
 pisifolius, Diplophyllus
 pistillata, Scudderia
 pistrinaria, Trimerotropis
 plagiata, Tettigidea
 plagiatum, Chorophyllum
 plagosus, Aeoloplus
 Pezotettix
 plana, Sparatta
 planula, Phantasis
 planulum, Phasma
 plattei, Mestobregma
 Oedipoda
 Psinidia
 Trachyrachis
 platyceps, Hemiudeopsylla
 platyphylloides, Bliastes
 platyptera, Arcyptera
 platypterum, Stetheophyma
 platypterus, Mecostethus
 plebejus, Melanoplus
 Pezotettix
 plicipennis, Anaplecta
 ploiaria, Phibalosoma
 plumbeus, Caloptenus
 Melanoplus
 plntonius, Dracotettix
 podagrica, Bostria
 podagrosus, Paroecanthus
 poeyi, Anophelepis
 Blatta
 Blatta (Hololampra)
 Caulonia
 Creoxylus
 Cycloptilus
 Cyrtoxiphus
 poeyi, Gryllodes
 Panchlora
 Plectoptera
 polita, Podisma
 politus, Stenopelmatus
 pollonerae, Cocconotus
 polluticornis, Ceuthophilus
 polymorpha, Tettigidea
 polymorphum, Acridium (Tetrix)
 polymorphus, Tettix
 ponderosa, Gryllotalpa
 ponderosus, Caloptenus
 Melanoplus
 porcellana, Blatta
 Ceratinoptera
 Plectoptera
 porrecta, Trimerotropis (Agonozoa)
 praeclara, Trimerotropis
 prasina, Hormilia
 Panchlora
 prasinus, Conocephalus
 pratensis, Hesperotettix
 pratorum, Orphulella
 precaria, Mantis
 precarius, Gryllus (Mantis)
 pretiosa, Monchea
 pristinus, Merotettix
 procera, Forficula
 Psalis
 prolixa, Spongophora
 propinquans, Orphula
 Orphulella
 Stenobothrus
 propinquum, Xiphidium
 propinquus, Melanoplus
 proprium, Acridium
 prora, Caulopsis
 Conocephalus
 prorsa, Tettigidea
 prorsa elongata, Tettigidea
 pruinosa, Oedipoda
 pseudofasciata, Trimerotropis
 pseudonietanus, Tomonotus
 pudica, Calacris
 puer, Melanoplus
 Pezotettix
 pulchella, Forficula
 Hypnorna (Calhypnorna)
 Labia
 Orphulina
 Panchlora
 Trachyrachis
 pulchellum, Actocara
 Mestobregma
 pulchellus, Pedioscirtetes
 Phyllopalpus
 Phylloscirtus

- pulchripes, Hermistria
 pulicaria, Anaxipha
 Plectoptera
 Rhipipteryx
 pulicarius, Gryllus
 Gryllus (Nemobius)
 Nemobius
 pumila, Anaxipha
 Phalangopsis
 pumilus, Gryllus
 Gryllus (Nemobius)
 Hippiscus (Xanthippus)
 punctata, Exocephala
 Munatia
 Oedipoda
 Orphula
 Orphula (Orphulella)
 Paraidemona
 Turpilia
 punctatus, Gymnes
 Lactista
 Pezotettix
 punctifrons, Microcentrum
 punctipenne, Acridium (Opomala)
 punctipennis, Opomala
 Pyrgomorpha
 punctipes, Conocephalus
 punctulata, Blatta
 Chloealtis
 Cryptocercus
 Dichromorpha
 Ischnoptera
 Phyllodromia
 punctulatum, Chrysochraon
 Dasyposoma
 punctulatus, Caloptenus
 Gryllus
 Gryllus (Acheta)
 Melanoplus
 Oecanthus
 Oligonyx
 Stenobothrus
 punctum, Panchlora
 pupaeformis, Pezotettix
 purpurascens, Acridium
 Anabrus
 Gryllus (Locusta)
 Sphenarium
 Tettix
 Thamnotrizon
 pusilla, Stirapleura
 pusillus, Gryllodes
 Gryllus
 Gymnoscirtetes
 Miogryllus
 puteanus, Hadenocercus
 putnami, Cratypedes
 putnami, Hippiscus
 pygmaea, Blatta
 Spongophora
 Xiphocera
 • pyramidata, Schistocerca
 quadratus, Apithes
 Hapithus
 quadrifera, Blabera
 quadrimaculatum, Acridium...
 Philobostroma
 quadrimaculatus, Stenobothrus
 Tettix
 quadripunctatus, Oecanthus
 • quadrisquamata, Eurycotis
 quadriundulatus, Neotettix
 Tettix
 • quercus, Dendrotettix
 radiata, Chorthopaga
 Locusta
 Locusta (Tragocephala)
 radiatus, Gomphocerus
 rapax, Antenna
 Mionyx
 rebellis, Conozoa
 Trimerotropis (Agonozoa)
 recta, Paroxya
 recticauda, Anaulocomera
 rectus, Melanoplus
 Pezotettix
 referta, Bradynotes
 reflexa, Rhicnoda
 reflexus, Melanoplus
 regalis, Acloplius
 Caloptenus
 Melanoplus
 regina, Meroncidius
 religiosa, Mantis
 repanda, Acanthodis
 Periplaneta
 Pleminia
 repletus, Caloptenus
 Caloptenus (Melanoplus)
 Melanoplus
 resinum, Xiphidium
 reticularis, Gryllus (Locusta)
 reticulata, Cyphocrana
 Locusta
 Mantis
 reticulatum, Phasma
 reticulatus, Dictyophorus
 Scopiorus
 reticulosa, Blatta
 retinerve, Microcentrum
 retinervis, Amblycorypha
 Locusta (Phylloptera)
 Phylloptera
 retusus, Conocephalus

- rex, Diophanes
 Paragryllus
 rhinoceros, Copiophora
 rhombea, Hymenotes
 rhombeum, Acridium (Chorophyl-
 lum)
 Acridium (Hymenotes)
 Chorophyllum
 rhombica, Mantis
 rhombicollis, Choeradodis
 rhombifolia, Dorylaea
 Periplaneta (Stylopyga)
 Phylloptera (Orophus)
 rhombifolius, Orophus
 rileyianum, Derotnema
 Derotnema (Timetodera)
 rileyanus, Melanoplus
 riparia, Labidura
 riparia erythrocephala, Labidura
 robusta, Carcinophora
 Daihinia
 Haldemanella
 Phalangopsis
 Phalangopsis (Daihinia)
 Udeopsylla
 robustum, Orchelimum
 Xiphidium
 Xiphidium (Orchelimum)
 robustus, Caloptenus
 Conocephalus
 Melanoplus
 Pezotettix
 rodriguezi, Orocharis
 rogenhoferi, Conozoa
 rogersi, Pyrgocorypha
 Spongophora
 rosaceum, Mestobregma
 rosaceus, Diophanes
 roscens, Diophanes
 rostrata, Mermiria
 rosulentus, Tropidonotus
 rotundata, Labia
 Pelmatosilpha
 Phaeoparia
 rotundifolia, Amblycorypha
 Phylloptera
 rotundifolius, Orophus
 rotundifrons, Neotettix
 rotundipennis, Melanoplus
 Pezotettix
 ruber, Gryllus
 rubiginosa, Schistocerca
 rubiginosum, Acridium
 rufa, Ischnoptera
 rufescens, Blabera
 Blatta
 Ischnoptera
 rufescens, Rhipipteryx
 ruficeps, Apterygida
 Forficula
 Neolobophora
 ruficollis, Blatta
 rufina, Sparatta
 rufipes, Gryllodes
 Megaloblatta
 Melanoplus
 Perisphaeria
 rufovittata, Aptenopedes
 Polyzosteria
 Polyzosteria (Platzzosteria)
 rufum, Aulocara
 rugosa, Oedipoda
 rugosum, Acridium
 rugosus, Gryllus (Tettigonia)
 Hippiscus
 Paratettix
 Tettix
 rugosus paradoxus, Hippiscus
 rugulosa, Turpilia
 rusticum, Acridium
 rusticus, Gryllus
 Gryllus (Locusta)
 Melanoplus
 Pezotettix
 sabaliana, Eurycotis
 Platzzosteria
 sabulosa, Epilampra
 saevus, Mionyx
 sagittatus, Cocconotus
 sagrai, Acridium (Chorophyllum)
 Chorophyllum
 Hymenotes
 salebrosus, Ceuthophilus
 salicifolia, Phylloptera (Orophus)
 salicifolius, Orophus
 salina, Orphulella
 Trimerotropis
 sallei, Ceuthophilus
 Conocephalus
 Pseudomops
 Pyrgocorypha
 Stenopelmatus
 Thysocera
 salomonoides, Blastes
 saltans, Xiphidium
 saltator, Dyscophus
 Hippopedon
 Melanoplus
 Orocharis
 Rhipipteryx
 Schoenobates
 Xiphidium
 saltator meridionalis, Orocharis
 salvini, Gryllacris

sanguinaria, Arphia
 sanguineipes, Acridium
 Gryllus
 Pezotettix
 sanguineus, Poecilotettix
 sanguinocephalus, Caloptenus
 sanguinolentus, Caloptenus
 sapellanus, Melanoplus
 sartorianus, Stenopelmatus
 satur, Bradynotes
 saturatus, Conocephalus
 saulcyi, Orocharis
 Platydictylus
 saussureana, Arphia
 saussureanum, Derotmema
 saussurei, Chorophyllum
 Diapheromera
 Gryllus
 Hippiscus
 Phantasis
 Pygidicrana
 Pyragra
 Sernyle
 Thermastrix
 saxatile, Spharagemon
 saxatilis, Trimerotropis
 saxosa, Cota
 sayi, Bacteria
 Bacteria (Bacunculus)
 Bacunculus
 Diapheromera
 scaber, Plectronotus
 scabra, Cacoblatta
 scabricolle, Platyphyllum
 Thannotrizon
 scabricollis, Locusta (Acanthodis)
 Peranabrus
 scabripes, Ceuthophilus
 Phalangopsis
 Rhaphidophora
 scabriuscula, Lophaspis
 scandens, Melanoplus
 scapularis, Otumba
 schochii, Paratettix
 schotti, Sparatta
 schumanni, Phriza
 scitulus, Melanoplus
 Orocharis
 scriptus, Caloptenus
 Caloptenus (Melanoplus)
 Melanoplus
 scrofulosa, Rhipipteryx
 scudderi, Ageneotettix
 Amblycorypha
 Aulocara
 Camptonotus
 Eremnus

scudderi, Eremopedes
 Melanoplus
 Oligonyx
 Orchesticus
 Orphula
 Orphulella
 Paroxya
 Pezotettix
 Podisma
 Prospheia
 Spharagemon
 Stipator
 Thyreonotus
 Xiphidium
 • scudderi viridis, Eremopedes
 scudderianus, Gryllus
 scutellare, Acridium
 scythrus, Anophelepis
 Phantasis
 seclusus, Ceuthophilus
 secretus, Ceuthophilus
 securiferum, Microcentrum
 selectus, Caloptenus
 semipicta, Periplaneta
 semirubrum, Acridium
 semivivrea, Pseudophyllodromia
 separata, Schistocerca
 septentrionalis, Gryllus
 Locusta (Phanoptera)
 Nemobius (Anaxipha)
 Pezotettix
 Phanoptera
 Podisma
 Scudderia
 Stagmatoptera
 septentrionalis suturalis, Scudde-
 ria
 serialis, Gryllus
 sericea, Nyctobora
 serrata, Chiriquia
 serratus, Gryllus
 Gryllus (Bulla)
 serripes, Gryllus
 Xiphocera
 serrulata, Locusta
 Locusta (Polyancistrus)
 serrulatus, Polyancistrus
 servilis, Acheta
 servillei, Choeradodis
 Nyctobora
 setosus, Odontogryllus
 severa, Diplatys
 shastana, Bruneria
 Bruneria
 shastanus, Circotettix
 Gomphocerus
 shoshone, Acridium

- shoshone, *Schistocerca*
 sibbani, *Diatrypus*
 siccifolia, *Mantis*
 Mimetica
 siccifolius, *Gryllus* (*Mantis*)
 sierranus, *Melanoplus*
 sigillata, *Zetobora*
 signatipes, *Gryllus*
 signatus, *Eotettix*
 Orocharis
 silvaticum, *Orchelimum*
 Xiphidium
 silvaticus, *Melanoplus*
 silvestris, *Ceuthophilus*
 silvicola, *Conozoa*
 sima, *Phriza*
 similaris, *Gryllus*
 similis, *Anabrus*
 Campylacantha
 Platydaetylus
 Trimerotropis
 simplex, *Anabrus*
 Arphia
 Eritettix
 Gomphocerus
 Melanoplus
 simplicipes, *Aphidna*
 simplicatarsis, *Bacteria*
 simulacrum, *Mantis*
 simulator, *Acridium*
 simulatrix, *Cyrtacanthacris*
 Schistocerca
 sinensis, *Tenodera*
 sinuata, *Cacopteris*
 sinuatus, *Paratettix*
 Tylotettix
 sinuifrons, *Nomotettix*
 sloanii, *Ceuthophilus*
 slossoni, *Mogisoplistus*
 smithi, *Cyrtoxiphus*
 Forficula
 smithianus, *Heterocous*
 snowi, *Melanoplus*
 socius, *Nemobius*
 solitaria, *Yersinia*
 sonora, *Melanoplus*
 sonorensis, *Schistocerca*
 sordida, *Arphia*
 Oedipoda
 Oedipoda (*Encoptolophus*)
 Tragocephala
 sordidum, *Acridium* (*Oedipoda*)
 sordidus, *Encoptolophus*
 Platybothrus
 Stenobothrus
 Tettix
 sosia, *Anaplecta*
 sparsa, *Oedipoda*
 sparsus, *Circotettix*
 speciosa, *Hypochlora*
 Oedipoda
 Orphula
 Orphulella
 speciosum, *Acridium*
 speciosus, *Hesperotettix*
 Pezotettix
 Stenobothrus
 specularis, *Acanthodis*
 Gryllus (*Locusta*)
 Gryllus (*Tettigonia*)
 Locusta
 Meronsidius
 sphagnorum, *Decticus*
 sphenarioides, *Aptenopedes*
 spicata, *Tettigidea*
 spinax, *Ancistrogaster*
 Opisthocosmia
 spinicolle, *Phasma*
 spinigera, *Bacteria* (*Pseudobacteria*)
 spinipes, *Diapherodes*
 Haplopus
 Phasma (*Haplopus*)
 spinosa, *Bacteria*
 Mantis
 spinosum, *Phasma*
 Phasma (*Bacteria*)
 spinosus, *Ceuthophilus*
 Creoxylus
 Panacanthus
 Sagephorus
 spinulosa, *Locusta*
 spinulosum, *Lissophyllum*
 Orchelimum
 Xiphidium (*Orchelimum*)
 spinulosus, *Bradyporus*
 Gryllus (*Locusta*)
 Hetrodes
 spretum, *Acridium*
 spretus, *Caloptenus*
 Melanoplus
 Pezotettix
 spretus caeruleipes, *Melanoplus*
 spureata, *Dissosteira*
 squamipennis, *Perixerus*
 squamosus, *Cycloptilus*
 steindachneri, *Arytropteris*
 Tropizaspis
 stenobothroides, *Opomala*
 stevensoni, *Anabrus*
 Orchesticus
 Pterolepis
 Stipator
 stigmaeus, *Hippiscus* (*Xanthippus*)
 stollii, *Matycrana*

- strangulatum, Oedocara
 strenua, Trimerotropis
 strenuum, Acridium
 striata, Bacteria
 Bacteria (Bacunculus)
 striatum, Phasma (Bacteria)
 strictum, Xiphidium
 strigata, Scudderia
 Sernyle
 strigosa, Iris
 strigulata, Insara
 striolatus, Bliastes
 Cocconotus
 Oligonyx
 Peucestes
 strumaria, Mantis
 strumarius, Gryllus (Mantis)
 stupefacta, Podisma
 stupefactus, Pezotettix
 stygia, Nyctobora
 Rhaphidophora
 stygius, Ceuthophilus
 subaequale, Microcentrum
 subapterus, Belocephalus
 subcineta, Periplaneta
 subconspersa, Anchiptolis
 subconspersus, Stenobothrus
 subfalcata, Thamnobates
 subguttatus, Meroncidius
 subhyalina, Amblytropidia
 Chloealtis (Amblytropidia)
 sublobata, Zetobora
 subnotata, Phylloptera
 subnotatum, Idiarthron
 subnotatus, Meroncidius
 subpectinata, Theganopteryx (Pseud-
 ectobia)
 subpunctata, Sagona
 subquadratum, Idiarthron
 subspurcata, Blabera
 subterranea, Rhaphidophora
 subterraneus, Hadenoeus
 succinctus, Gryllus
 Gryllus (Locusta)
 suffusa, Trimerotropis
 suffusus, Circotettix
 sulcatus, Paroecanthus
 sulcifrons, Conozoa
 Psinidia
 sulphurea, Arphia
 Locusta
 Oedipoda
 Oedipoda (Arphia)
 sulphureum, Acridium
 Acridium (Oedipoda)
 sulphureus, Gryllus
 Gryllus (Locusta)
 sulphureus, Tomonotus
 sulzeri, Blabera
 Blatta (Blabera)
 sumichrasti, Achurum
 Heliastus
 Machaerocera
 Mantis (Cardioptera)
 Oedipoda
 Oedipoda (Sphingonotus)
 Pezotettix
 Phasmomantis
 Podisma
 Stenopelmatus
 Temnopteryx
 Tryxalis
 Tryxalis (Achurum)
 supellectilium, Blatta
 Blatta (Phyllodromia)
 superba, Taeniopoda
 superbum, Monachidium
 superbus, Bliastes
 supremum, Microcentrum
 surinama, Musonia
 surinamensis, Blatta
 Blatta (Panchlora)
 Cerocephalus
 Eneoptera
 Leucophaea
 Panchlora
 Panchlora (Leucophaea)
 Pycnoscelus
 suturalis, Forficula
 Forficula
 Hippiscus
 Phaneroptera
 Scudderia
 taeniata, Apterygida
 Chorisoneura
 Forficula
 Sphingolabis
 taeniatifrons, Bliastes
 taeniatum, Xiphidium
 talpa, Gryllus
 Locusta (Anostostoma)
 Stenopelmatus
 tarasca, Blatta
 Phylloptera
 Syntecna
 Temnopteryx
 tarascum, Microcentrum
 tartarica, Locusta
 tartaricum, Acridium
 tartaricus, Gryllus
 tecta, Tettigidea
 tectus, Tettix
 tellustris, Melanoplus
 Pezotettix

- temulentus, Paragryllus
 tenebrarum, Ceuthophilus
 tenebrosa, Arphia
 Oedipoda
 Oedipoda (Arphia)
 tenebrosus, Melanoplus
 Meronicidius
 Tomonotus
 tenella, Turpilia
 tentatrix, Oedipoda
 tentatus, Tettix
 tenuiscens, Bacunculus
 tenuicarina, Stirapleura
 tenuicornis, Lebusa
 tenuipennis, Aeoloplus
 Melanoplus
 tenuis, Oecanthus
 tenuistylus, Anchiptolis
 tepaneca, Amblycorypha
 Orphula
 Orphulella
 tepanecus, Stenobothrus
 Stenobothrus (Rhammatocerus)
 teporata, Arphia
 terebrans, Orocharis
 teres, Thysdrus
 terminalis, Ischnoptera
 Melanoplus
 Tridactylus
 Tridactylus (Xya)
 terrestris, Ceuthophilus
 tessellata, Anepsia
 Haemodiasma
 Paragenes
 Phylloptera (Orophus)
 Trimerotropis
 tessellata obtusa, Anepsia
 tessellatus, Gryllus (Acheta)
 Oligonyx
 Orophus
 testacea, Engoniaspis
 Opeia
 testaceus, Ceuthophilus
 Conocephalus
 texana, Conozoa
 Merniria
 Psoloessa
 Stirapleura
 Trimerotropis (Agonozoa)
 texanus, Hippiscus
 Melanoplus
 Pezotettix
 texense, Spharagemon
 texensis, Chorioneura
 Dissosteira (Spharagemon)
 Scudderia
 Temnopteryx
 thalassica, Trimerotropis
 thalassina, Panchlora
 thalassinus, Circotettix
 theresia, Tomonotus
 thomae, Pygrrhynchus
 thomasi, Melanoplus
 thoracica, Blabera
 Phasmomantis
 Psalis
 thoracicum, Microcentrum
 thoracicus, Cophus
 thunbergi, Blabera
 Blatta (Monachoda)
 Byrsotria
 Monachoda
 tibialis, Cyrtoxiphus
 Gongrocnemis
 Orocharis
 Oxycoryphus
 Paroecanthus
 Tridactylus
 tigrinus, Hippiscus
 Hippiscus (Xanthippus)
 tolteca, Acanthodis
 Anaplecta
 Ancistrogaster
 Bacteria (Bacunculus)
 Batrachidea
 Forficula
 Gnathocrita
 Holocompsa
 Hornilia
 Ischnoptera
 Latindia
 Mantis (Stagnatoptera)
 Oedipoda
 Panchlora
 Phaneroptera
 Phylloptera
 Pseudomops
 Pseudovates
 Stagnomantis
 Stilpnocchlora
 Theoclytes
 Thrysocera
 Trimerotropis
 Vates
 toltecum, Acridum
 Anostostoma
 Microcentrum
 Platyphyllum
 toltecus, Amphiacustes
 Cyrtoxiphus
 Diatrypus
 Gryllodes
 Hippiscus (Xanthippus)
 Meronicidius

toltecus, Nemobius
 Oligonyx
 Oxycoryphus
 Paratettix
 Paroecanthus
 Tettix
 Xanthippus
 toltecus extensus, Paratettix
 tomentosa, Nyctobora
 torvum, Acridium
 totonaca, Blatta
 Blatta (Phyllodromia)
 Phyllodromia
 Phylloptera (Orophus)
 totonacus, Orophus
 Oxycoryphus
 translucida, Blatta
 Blatta (Ectobia)
 Chorisoneura
 Ischnoptera
 transtrigata, Oedipoda
 trapezoidea, Blabera
 triangularis, Tettix
 triangulatum, Microcentrum
 tricarinata, Camnula
 tricarinatus, Eritettix
 Stenobothrus
 tricolor, Caloblatta
 Gryllus (Mantis).
 Mantis
 Rhipipteryx
 tricolor saltator, Rhipipteryx
 tricornis, Coccenotus
 Conocephalus
 tridens, Bacteria
 Bacteria (Bacunculus)
 Phasina (Bacteria)
 triedrica, Caulonia
 trifasciata, Arphia
 Oedipoda
 trifasciatus, Gryllus
 Hadrotettix
 trilineata, Steiroxys
 trilineatum, Thamnotrizon
 trilineatus, Decticus
 trimaculata, Hyperphrona
 trinitatis, Nemobius
 triops, Conocephalus
 Gryllus (Tettigonia)
 Locusta
 tripartita, Panchlora
 tripunctata, Acheta
 tristani, Conocephalus
 Eurycotis
 Ischnoptera
 trogon, Rhomalea
 truculentus, Phrixocnemis

truncata, • Nyctobora (Heminycto-
 bora)
 Periplaneta
 Scudderia
 truncatipennis, Conalcaea
 Eppia
 truncatus, Melanoplus
 tschivavensis, Ephippigera,
 Haldemanella
 tuberculata, Blatta
 Locusta
 tuberculatum, Acridium
 tuberculatus, Gryllus (Conoce-
 Hippiscus
 • tuberosum, Platyphyllum
 tuberosus, Pristes
 tureicus, Gryllus
 • sturnbulli, Aeoloplus
 Caloptenus
 Melanoplus
 typicalis, Melanoplus
 uhleri, Amblycorypha
 Ceuthophilus
 Oligonyx
 Orocharis
 uhleri, a, Ischnoptera
 • uncinata, Pyrgocorypha
 uncinatus, Conocephalus
 undulata, Oedipoda
 undulatus, Circotettix
 undulifera, Ischnoptera
 unguiculata, Eurycotis
 ungulata, Scudderia
 unicolor, Acentetus
 Eremopedes
 Gryllus
 Gryllus (Bulla)
 Ischnoptera
 Jamaicana
 Pezotettix
 Platanodes
 Plectoptera
 Stenobothrus
 unidentata, Forficula
 Labia
 uniformis, Aeoloplus
 Ceuthophilus
 Melanoplus
 unilineata, Cyrtacanthacris
 unilineatum, Acridium
 unispina, Xiphidium
 unispinosa, Acanthodis
 unispinosus, Ceuthophilus
 urbana, Mantis
 usitatus, Melanoplus
 utahensis, Ceuthophilus
 Dissosteira

utahensis, Melanoplus
 Nemobius
 Oedipoda
 vacillans, Ischnoptera
 vaga, Schistocerca
 vaginalis, Godmanella
 Lichenochrus
 Orocharis
 vagum, Acridium
 valga, Cyclocercus
 valgus, Ceuthophilus
 valida, Laurepa
 Syrbus (Hanus)
 validus, Melanoplus
 Phrixocnemis
 Posidippus
 vara, Chelidura
 Forficula
 variabilis, Eritettix
 Melanoplus
 varians, Blabera
 varicator, Ceuthophilus
 varicolor, Paradichroplus
 Pezotettix
 varicornis, Oecanthus
 varicus, Melanoplus
 variegata, Acanthodis
 Ancistrogaster
 Podisma
 Trimerotropis
 variegatum, Dactyloctenium
 Stethophyma
 variegatus, Ceuthophilus
 Cyrtophylus
 Britettix
 Gryllus
 Gryllus (Locusta)
 Hippiscus
 Pezotettix
 Scapteriscus
 variolosus, Gryllus (Bulla)
 Melanoplus
 varipes, Acridium
 Acridium (Opomala)
 Opomala
 vastatrix, Acheta
 velasquezii, Acridium
 Lophacris
 Tettanacris
 veliei, Diapheromera
 venezuelae, Heliastus
 venosa, Blatta
 Oedipoda
 Pseudophyllodromia
 venusta, Dissosteira
 Dissosteira (Spharagemon)
 Mantis (Oxyptilus)

venusta, Oedipoda
 Ommatolampis
 Schistocerca
 Stagnomantis
 venustula, Diapherodes
 Phyllodromia
 Platycrana
 venustulum, Phasma (Diapherodes)
 venustum, Spharagemon
 verniculatus, Parablastus
 verrucosus, Acridium
 verruculata, Locusta
 Oedipoda
 Oedipoda (Trimerotropis)
 Trimerotropis
 verruculatum, Acridium (Locusta)
 verruculatus, Circotettix
 Phrynotettix
 viatoria, Scyllina
 viatorius, Plectrophorus
 Plectrotettix
 Stenobothrus
 Stenobothrus (Rhammatocerus)
 vicarium, Acridium
 vicina, Stagnomantis
 vicinus, Gryllus (Platydictylus)
 Scapteriscus
 Stenopelmatus
 vigens, Orophus
 vigilans, Mermiria
 villana, Pelmatosilpha
 vinculata, Trimerotropis
 vinculatus, Ceuthophilus
 viola, Melanoplus
 Pezotettix
 violacea, Osmilia
 virens, Coscineuta
 Gryllus
 Thysdrus
 virescens, Blatta
 Blatta (Panchlora)
 Brachypeplus
 Brachystola
 Panchlora
 Pedies
 virga, Bactromantis
 virgata, Paropomala
 virgatus, Eritettix
 Gomphocerus
 Melanoplus
 virginiana, Chortophaga
 Oedipoda
 Tragocephala
 virginianum, Acridium
 Acridium (Oedipoda)
 virginianus, Gryllus
 Gryllus (Locusta)

virginica, Temnopteryx
 viridana, Mantis
 Platycrana
 viridator, Conocephalus
 viride, Chrysochraon
 viridescens, Orphulella
 viridifasciata, Chimarocephala
 Chortophaga
 Locusta
 Locusta (Tragocephala)
 Tragocephala
 viridifasciata infusata, Chortophaga
 Tragocephala
 viridifasciata infusata radiata, Chor-
 tophaga
 viridifasciata virginiana, Chorto-
 phaga
 Tragocephala
 viridifasciatum, Acridium
 viridifasciatus, Gomphocerus
 Gryllus (Locusta)
 viridifolia, Mimetica
 viridimaculatus, Gryllus (Bulla)
 viridinargo, Mantis (Photina)
 viridipes, Melanoplus
 Pezotettix
 viridis, Blatta
 Caloptenus
 Chloealtis
 Dichromorpha
 Eremopedes
 Hesperotettix
 Ommatolampis
 Panchlora
 Pezotettix
 Stenobothrus
 Tragocephala
 Tryxalis
 viridis punctulata, Chloealtis
 Dichromorpha
 viridissimus, Stenobothrus
 viridula, Tryxalis
 viridulus, Pezotettix
 vitellinus, Hippiscus (Xanthippus)
 Xanthippus
 vitrea, Acontista
 Blatta
 Blatta (Phyllodromia)
 Phyllodromia
 vitreipenne, Acridium (Oxya)
 vitreipennis, Gryllus
 vittata, Acheta
 Anophelepis
 Jamaicana
 Phantasis
 vittatum, Acridium
 Spectrum

vittatus, Cyrtoxiphus
 Nannotettix
 Nemobius
 vitticeps, Acridium
 vittifrons, Eurycotis
 Meronicidius
 vivax, Campylacantha
 Pezotettix
 vividum, Microcentrum
 volans, Ochotettix
 volantum, Orchelimum
 Xiphidium
 volaticus, Melanoplus
 Nemobius
 • volitans, Pegasidion
 volsella, Neolobophora
 volueris, Caloptenus
 • Phoetaliotes
 vorax, Gryllus
 Gryllus (Acheta)
 Locusta (Gnathoclitia)
 vulgare, Orchelimum
 Xiphidium
 wallula, Conozoa
 Psinidia
 walshii, Diapheromera
 Melanoplus
 washingtonianus, Melanoplus
 Pezotettix
 westwoodi, Dymasippus
 wheeleri, Leprus
 Mantis
 Oedipoda
 Pycnodictya
 wyomingense, Spharagemon
 wyomingensis, Mesops
 Opomala
 Paropomala
 wyomingiana, Oedipoda
 wyomingianum, Spharagemon
 xanthochlora, Stenopola
 xanthoptera, Arphia
 Oedipoda
 xanthoptera carinata, Arphia
 xanthopterum, Acridium (Oedipoda)
 xanthopterus, Tomonotus
 xanthostoma, Rhaphidophora
 Tropidischia
 yarrowi, Caloptenus
 Melanoplus
 yersiniana, Bacteria
 Bacteria (Pseudobact
 yersinii, Ommatolampis
 zapoteca, Blatta
 Blatta (Phyllodromia)
 Holocompsa
 Phyllodromia

zapoteca, Schistocerca
 zapotecus, Hippiscus
 Hippiscus (Xanthippus)
 Oxycoryphus
 Xanthippus
 zendala, Gongrocnemis
 Panghloria
 Petaloptera

zendala, Phylloptera (Petaloptera)
 zetterstedtii, Ctenophlebia
 zimmermanni, Pezotettix
 Platyphyllum
 Podisma
 Tomonotus
 zonarius, Ceanthophilus

